Open Source Used In VIRTUAL TOPOLOGY SYSTEM 2.6.2

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In your requests please include the following reference number 78EE117C99-179424539

Contents

vtc-solr-search 2.6.2 ipcentral_vtc262__01

2.1 Debian ISO 9.3
   2.1.1 GNU GENERAL PUBLIC LICENSE Version 2
   2.1.2 GNU LESSER GENERAL PUBLIC LICENSE Version 2.1
   2.1.3 GNU GENERAL PUBLIC LICENSE Version 3
   2.1.4 GNU LESSER GENERAL PUBLIC LICENSE Version 3

2.2 Solr Core 7.2.1
   2.2.1 Available under license

2.3 solr-solrj 7.2.1
   2.3.1 Available under license

VTSR and VTF 2.6.2 2.6.2

3.1 accountsservice 0.6.35 :0ubuntu7.2
   3.1.1 Available under license

3.2 algorithm-diff-xs-perl 0.04-2build4
   3.2.1 Available under license

3.3 apparmor 2.10.95 :0ubuntu2
   3.3.1 Available under license

3.4 apparmor 2.8.95 :2430-0ubuntu5.3
   3.4.1 Available under license

3.5 apt 1.0.1ubuntu2.11
   3.5.1 Available under license

3.6 apt 1.2.15
   3.6.1 Available under license

3.7 apt-xapian-index 0.45ubuntu4
   3.7.1 Available under license

3.8 aptitude 0.6.8.2-1ubuntu4 :1ubuntu4
   3.8.1 Available under license
3.9 Argparse 1.2.1
   3.9.1 Available under license
3.10 attr 2.4.47 :1ubuntu1
   3.10.1 Available under license
3.11 attrs 16.3.0
   3.11.1 Available under license
3.12 audit 2.3.2 :2ubuntu1
   3.12.1 Available under license
3.13 audit 1:2.4.5 :1ubuntu2
   3.13.1 Available under license
3.14 autogen 1:5.18 :2ubuntu2
   3.14.1 Available under license
3.15 base-files 9.4ubuntu4.3
   3.15.1 Available under license
3.16 base-files 7.2ubuntu5.4
   3.16.1 Available under license
3.17 base-passwd 3.5.39
   3.17.1 Available under license
3.18 bash 4.3-7ubuntu1.5 :7ubuntu1.5
   3.18.1 Available under license
3.19 bash-completion 1:2.1-4 :4
   3.19.1 Available under license
3.20 beautifulsoup4 4.4.1 :1
   3.20.1 Available under license
3.21 bind9 1:9.10.3.dfsg.P4 :8ubuntu1
   3.21.1 Available under license
3.22 bind9 1:9.9.5.dfsg-3 :3
   3.22.1 Available under license
3.23 binutils 2.24-5ubuntu3 :5ubuntu3
   3.23.1 Available under license
3.24 binutils 2.26.1 :1ubuntu1~16.04.3
   3.24.1 Available under license
3.25 biosdevname 0.4.1-0ubuntu6.3
   3.25.1 Available under license
3.26 bluez 4.101 :0ubuntu13
   3.26.1 Available under license
3.27 Boost C++ library 1.54.0
   3.27.1 Available under license
3.28 Boost C++ library - caramel 1.54.0
3.28.1 Notifications
3.28.2 Available under license

3.29 boost-iostreams1.54.0 1.54.0-4ubuntu3.1
3.29.1 Available under license

3.30 bridge-utils 1.5 :6ubuntu2
3.30.1 Available under license

3.31 brtty 5.0 :2ubuntu2
3.31.1 Available under license

3.32 bsdmainutils 9.0.5ubuntu1
3.32.1 Available under license

3.33 bsdutils 1:2.20.1-5.1ubuntu20.7
3.33.1 Available under license

3.34 build-essential 12.1ubuntu2
3.34.1 Available under license

3.35 build-essential 11.6ubuntu6
3.35.1 Available under license

3.36 busybox 1.21.0 :1ubuntu1
3.36.1 Available under license

3.37 bzip2 1.0.6
3.37.1 Available under license

3.38 bzip2 1.0.6 :4
3.38.1 Available under license

3.39 ca-certificates 20160104ubuntu1
3.39.1 Available under license

3.40 ca-certificates 20160104ubuntu0.14.04.1
3.40.1 Available under license

3.41 cdebconf 0.198ubuntu1
3.41.1 Available under license

3.42 ceph 0.80.11 :0ubuntu1.14.04.1
3.42.1 Available under license

3.43 cffi 0.8.6
3.43.1 Available under license

3.44 cffi 1.9.1
3.44.1 Available under license

3.45 cgmanager 0.24 :0ubuntu7.5
3.45.1 Available under license

3.46 cgroup-lite 1.9
3.46.1 Available under license

3.47 characteristic 14.2.0
3.47.1 Available under license

3.48 **char det 2.3.0 :2**
   3.48.1 Available under license

3.49 **char det 2.0.1 :2build2**
   3.49.1 Available under license

3.50 **cloog 0.18.2 :1**
   3.50.1 Available under license

3.51 **cluster-glue 1.0.11+hg2754 :1.1build1**
   3.51.1 Available under license

3.52 **cluster-glue 1.0.12~rc1+hg2777 :1.2**
   3.52.1 Available under license

3.53 **command-not-found 0.3ubuntu12**
   3.53.1 Available under license

3.54 **consolekit 0.4.5-3.1ubuntu2**
   3.54.1 Available under license

3.55 **constantly 15.1.0**
   3.55.1 Available under license

3.56 **corekeeper 1.5**
   3.56.1 Available under license

3.57 **coreutils 8.25 :2ubuntu2**
   3.57.1 Available under license

3.58 **corosync 2.3.3 :1ubuntu1**
   3.58.1 Available under license

3.59 **corosync 2.3.5 :3ubuntu1**
   3.59.1 Available under license

3.60 **cpio 2.11 :1ubuntu1**
   3.60.1 Available under license

3.61 **cpu-checker 0.7 :0ubuntu4**
   3.61.1 Available under license

3.62 **crmsh 2.2.0 :1**
   3.62.1 Available under license

3.63 **Cryptography 0.6.1**
   3.63.1 Available under license

3.64 **cryptography 1.7.1**
   3.64.1 Available under license

3.65 **cryptsetup 2:1.6.6 :5ubuntu2**
   3.65.1 Available under license

3.66 **csh 20110502 :2ubuntu2**
   3.66.1 Available under license
3.67 curl 7.47.0 :1ubuntu2.1
   3.67.1 Available under license
3.68 cwidget 0.5.16-3.5ubuntu1
   3.68.1 Available under license
3.69 cyrus-sasl2 2.1.26.dfsg1 :14build1
   3.69.1 Available under license
3.70 cyrus-sasl2 2.1.25.dfsg1-17build1 :17build1
   3.70.1 Available under license
3.71 dash 0.5.8 :2.1ubuntu2
   3.71.1 Available under license
3.72 dash 0.5.7-4ubuntu1
   3.72.1 Available under license
3.73 db5.3 5.3.28 :3ubuntu3
   3.73.1 Available under license
3.74 dbus 1.6.18-0ubuntu4.3
   3.74.1 Available under license
3.75 dbus 1.10.6 :1ubuntu3
   3.75.1 Available under license
3.76 dbus-glib 0.100.2-1 :1
   3.76.1 Available under license
3.77 dbus-glib 0.106 :1
   3.77.1 Available under license
3.78 dbus-python 1.2.0-2build2 :2build2
   3.78.1 Available under license
3.79 debconf 1.5.58ubuntu1
   3.79.1 Available under license
3.80 debianutils 4.7
   3.80.1 Available under license
3.81 devmapper-event1.02.1 2:1.02.77-6ubuntu2
   3.81.1 Available under license
3.82 dh-python 1.20140128 :1ubuntu8.2
   3.82.1 Available under license
3.83 dh-python 2.20151103ubuntu1.1
   3.83.1 Available under license
3.84 distlib 0.1.8 :1ubuntu1
   3.84.1 Available under license
3.85 dkms 2.2.0.3-1ubuntu3.2 :1ubuntu3.2
   3.85.1 Available under license
3.86 dmidecode 2.12-2
3.86.1 Available under license

3.87 dmsetup 2:1.02.77-6ubuntu2
3.87.1 Available under license

3.88 dosfstools 3.0.26-1 :1
3.88.1 Available under license

3.89 dpkg 1.18.4ubuntu1.1
3.89.1 Available under license

3.90 dpkg 1.17.5ubuntu5.5
3.90.1 Available under license

3.91 e2fsprogs 1.42.9 :3ubuntu1.3
3.91.1 Available under license

3.92 e2fsprogs 1.42.13 :1ubuntu1
3.92.1 Available under license

3.93 ed 1.9 :2
3.93.1 Available under license

3.94 elfutils 0.158-0ubuntu5 :0ubuntu5
3.94.1 Available under license

3.95 enum34 1.1.6
3.95.1 Available under license

3.96 ethtool 3.13 :1
3.96.1 Available under license

3.97 expat 2.1.0 :4ubuntu1
3.97.1 Available under license

3.98 fakeroot 1.20 :3ubuntu2
3.98.1 Available under license

3.99 fakeroot 1.20.2 :1
3.99.1 Available under license

3.100 file 1:5.25 :2ubuntu1
3.100.1 Available under license

3.101 filebeat 5.6.2
3.101.1 Available under license

3.102 findutils 4.6.0+git+20160126 :2
3.102.1 Available under license

3.103 friendly-recovery 0.2.25
3.103.1 Available under license

3.104 futures 3.0.5
3.104.1 Available under license

3.105 gawk 1:4.0.1+dfsg-2.1ubuntu2 :2.1ubuntu2
3.105.1 Available under license
3.106 gcc 4:4.8.2-1ubuntu6
   3.106.1 Available under license
3.107 gcc-4.8 4.8.4 :2ubuntu1~14.04
   3.107.1 Available under license
3.108 gcc-4.9-base 4.9.3-0ubuntu4
   3.108.1 Available under license
3.109 gcc-5 5.4.0 :6ubuntu1~16.04.2
   3.109.1 Available under license
3.110 gcc-defaults 1.150ubuntu1
   3.110.1 Available under license
3.111 gccgo-6 6.0.1 :0ubuntu1
   3.111.1 Available under license
3.112 gcr 3.10.1-1 :1
   3.112.1 Available under license
3.113 gdbm 1.8.3 :12build1
   3.113.1 Available under license
3.114 genisoimage 9:1.1.11 :2ubuntu3
   3.114.1 Available under license
3.115 geoip 1.6.0-1 :1
   3.115.1 Available under license
3.116 geoip-database 20140313 :1
3.117 glib2.0 2.40.2 :0ubuntu1
   3.117.1 Available under license
3.118 glib2.0 2.48.1 :1~ubuntu16.04.1
   3.118.1 Available under license
3.119 glibc 2.23 :0ubuntu3
   3.119.1 Available under license
3.120 gmp 2:5.1.3+dfsg-1ubuntu1 :1ubuntu1
   3.120.1 Available under license
3.121 gmp 2:6.1.0+dfsg :2
   3.121.1 Available under license
3.122 gnupg 1.4.20 :1ubuntu3
   3.122.1 Available under license
3.123 gnupg 1.4.16-1ubuntu2.3
   3.123.1 Available under license
3.124 gnutls26 2.12.23-12ubuntu2.5
   3.124.1 Available under license
3.125 gnutls28 3.4.10 :4ubuntu1.1
   3.125.1 Available under license
3.126 gobject-introspection 1.40.0 :1ubuntu0.2
   3.126.1 Available under license

3.127 gpm 1.20.4 :6.1
   3.127.1 Available under license

3.128 grep 2.25 :1~16.04.1
   3.128.1 Available under license

3.129 groff 1.22.2 :5
   3.129.1 Available under license

3.130 grpcio 1.0.3
   3.130.1 Available under license

3.131 grub2 2.02-beta2 :9ubuntu1.7
   3.131.1 Available under license

3.132 gzip 1.6 :3ubuntu1
   3.132.1 Available under license

3.133 hdparm 9.43 :1ubuntu3
   3.133.1 Available under license

3.134 heimdal 1.7~git20150920+dfsg :4ubuntu1
   3.134.1 Available under license

3.135 heimdal 1.6 :1ubuntu1
   3.135.1 Available under license

3.136 hostname 3.16ubuntu2
   3.136.1 Available under license

3.137 html5lib 0.999 :3~ubuntu1
   3.137.1 Available under license

3.138 icu 55.1 :7
   3.138.1 Available under license

3.139 idna 2.1
   3.139.1 Available under license

3.140 ifupdown 0.8.10ubuntu1.1
   3.140.1 Available under license

3.141 ifupdown 0.7.47.2ubuntu4.4
   3.141.1 Available under license

3.142 incremental 16.10.1
   3.142.1 Available under license

3.143 init-system-helpers 1.29ubuntu3
   3.143.1 Available under license

3.144 insserv 1.14.0-2.1ubuntu2 :2.1ubuntu2
   3.144.1 Available under license

3.145 installation-report 2.54ubuntu1

Open Source Used In VIRTUAL TOPOLOGY SYSTEM 2.6.2
3.145.1 Available under license

3.146 ipaddress 1.0.17
3.146.1 Available under license

3.147 iproute2 4.3.0 :1ubuntu3
3.147.1 Available under license

3.148 iptables 1.6.0 :2ubuntu3
3.148.1 Available under license

3.149 iptables 1.4.21 :1ubuntu1
3.149.1 Available under license

3.150 irqbalance 1.0.6 :2ubuntu0.14.04.4
3.150.1 Available under license

3.151 isc-dhcp 4.3.3 :5ubuntu12.1
3.151.1 Available under license

3.152 isc-dhcp 4.2.4 :7ubuntu12
3.152.1 Available under license

3.153 isl 0.12.2-1 :1
3.153.1 Available under license

3.154 isl 0.16.1 :1
3.154.1 Available under license

3.155 iso-codes 3.52 :1
3.155.1 Available under license

3.156 keyutils 1.5.9 :8ubuntu1
3.156.1 Available under license

3.157 keyutils 1.5.6-1 :1
3.157.1 Available under license

3.158 kmod 22 :1ubuntu4
3.158.1 Available under license

3.159 krb5 1.13.2+dfsg :5
3.159.1 Available under license

3.160 krb5 1.12+dfsg :2ubuntu5.2
3.160.1 Available under license

3.161.1 Available under license

3.162.1 Available under license

3.163 language-pack-gnome-en 1:14.04 :20150219
3.163.1 Available under license

3.164.1 Available under license
3.165 language-selector 0.129.3
   3.165.1 Available under license
3.166 laptop-detect 0.13.7ubuntu2
   3.166.1 Available under license
3.167 libalgorithm-diff-perl 1.19.03 :1
   3.167.1 Available under license
3.168 libalgorithm-diff-perl 1.19.02 :3
3.169 libalgorithm-diff-xs-perl 0.04 :2build3
3.170 libalgorithm-merge-perl 0.08-2 :2
   3.170.1 Available under license
3.171 libalgorithm-merge-perl 0.08-2
   3.171.1 Available under license
3.172 libbsd 0.8.2 :1
   3.172.1 Available under license
3.173 libcap-ng 0.7.3 :1ubuntu2
   3.173.1 Available under license
3.174 libcap-ng 0.7.7 :1
   3.174.1 Available under license
3.175 libcap2 1:2.24 :9
   3.175.1 Available under license
3.176 libclass-accessor-perl 0.34-1
   3.176.1 Available under license
3.177 libdrm 2.4.64 :1~ubuntu14.04.1
   3.177.1 Available under license
3.178 libdumbnet 1.12-4build1
   3.178.1 Available under license
3.179 libedit 3.1-20130712-2
   3.179.1 Available under license
3.180 libedit 3.1 :20150325-1ubuntu2
   3.180.1 Available under license
3.181 libept 1.0.12
   3.181.1 Available under license
3.182 libesmtp 1.0.6-1build2
   3.182.1 Available under license
3.183 libffi 3.2.1 :4
   3.183.1 Available under license
3.184 libffi 3.1 :12
   3.184.1 Available under license
3.185 libfile-fcntllock-perl 0.22 :3
<table>
<thead>
<tr>
<th>Version</th>
<th>Package Name</th>
<th>Version/Build Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.185.1</td>
<td>libfile-fcntllock-perl</td>
<td>0.14 :2build1</td>
</tr>
<tr>
<td>3.186</td>
<td>libgcrypt11</td>
<td>1.5.3 :2ubuntu4.3</td>
</tr>
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<td></td>
<td></td>
<td>3.187.1 Available under license</td>
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<tr>
<td>3.188</td>
<td>libgcrypt20</td>
<td>1.6.5 :2</td>
</tr>
<tr>
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<td></td>
<td>3.188.1 Available under license</td>
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<td>3.189</td>
<td>libgpg-error</td>
<td>1.21 :2ubuntu1</td>
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<td>3.189.1 Available under license</td>
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<td>3.190</td>
<td>libibverbs</td>
<td>1.1.8 :1.1</td>
</tr>
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<td>3.190.1 Available under license</td>
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<td>3.191</td>
<td>libidn</td>
<td>1.28 :1ubuntu2</td>
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<td></td>
<td>3.191.1 Available under license</td>
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<tr>
<td>3.192</td>
<td>libidn</td>
<td>1.32 :3ubuntu1</td>
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<td></td>
<td>3.192.1 Available under license</td>
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<tr>
<td>3.193</td>
<td>libio-string-perl</td>
<td>1.08 :3</td>
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<td>3.194</td>
<td>libmnl</td>
<td>1.0.3-5</td>
</tr>
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<td>3.194.1 Available under license</td>
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<td>libnet</td>
<td>1.1.6+dfsg :2ubuntu1</td>
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<td>3.195.1 Available under license</td>
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<td>libnfnetlink</td>
<td>1.0.1-2 :2</td>
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<td>3.196.1 Available under license</td>
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<td>3.197</td>
<td>libnl3</td>
<td>3.2.21 :1</td>
</tr>
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<td>3.197.1 Available under license</td>
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<td>3.198</td>
<td>libparse-debianchangelog-perl</td>
<td>1.2.0 :1ubuntu1</td>
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<td></td>
<td>3.198.1 Available under license</td>
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<td>3.199</td>
<td>libpcap</td>
<td>1.5.3-2 :2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.199.1 Available under license</td>
</tr>
<tr>
<td>3.200</td>
<td>libpipeline</td>
<td>1.3.0 :1</td>
</tr>
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<td></td>
<td>3.200.1 Available under license</td>
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<td>3.201</td>
<td>libqb</td>
<td>0.17.2.real :6ubuntu1</td>
</tr>
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<td></td>
<td>3.201.1 Available under license</td>
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<tr>
<td>3.202</td>
<td>librdmacm</td>
<td>1.0.21 :1</td>
</tr>
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<td>3.202.1 Available under license</td>
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<td>3.203</td>
<td>libseccomp</td>
<td>2.2.3 :2ubuntu1~ubuntu14.04.1</td>
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<td>3.203.1 Available under license</td>
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<tr>
<td>3.204</td>
<td>libselinux</td>
<td>2.4 :3build2</td>
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<td></td>
<td>3.204.1 Available under license</td>
</tr>
<tr>
<td>3.205</td>
<td>libsemanage</td>
<td>2.3 :1build2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.205.1 Available under license</td>
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</tbody>
</table>
3.206 libsepol 2.4 :2
   3.206.1 Available under license
3.207 libsigc++-2.0-0c2a 2.2.10 :ubuntu2
   3.207.1 Available under license
3.208 libsigsegv 2.10-2 :2
   3.208.1 Available under license
3.209 libstatgrab 0.91 :1
   3.209.1 Available under license
3.210 libsub-name-perl 0.05 :1build4
3.211 libtasn1-6 4.7 :ubuntu0.16.04.1
   3.211.1 Available under license
3.212 libtimatedate-perl 2.3000 :1
3.213 libtimatedate-perl 2.3000-1 :1
   3.213.1 Available under license
3.214 libtool 2.4.6 :0.1
   3.214.1 Available under license
3.215 libusb 0.1.12 :20
   3.215.1 Available under license
3.216 libx11 2:1.6.3 :ubuntu2
   3.216.1 Available under license
3.217 libx11 1.6.2 :ubuntu2
   3.217.1 Available under license
3.218 libxau 1:1.0.8-1 :1
   3.218.1 Available under license
3.219 libxau 1.0.8 :1
   3.219.1 Available under license
3.220 libxcb 1.10 :ubuntu1
   3.220.1 Available under license
3.221 libxcb 1.11.1 :ubuntu1
   3.221.1 Available under license
3.222 libxdmcp 1:1.1.2 :1.1
   3.222.1 Available under license
3.223 libxdmcp 1:1.1.1-1 :1
   3.223.1 Available under license
3.224 libxext 2:1.3.2-1 :1
   3.224.1 Available under license
3.225 libxext 2:1.3.3 :1
   3.225.1 Available under license
3.226 libxml2 2.9.3+dfsg1 :ubuntu0.1
3.226.1 Available under license

3.227 libxml2 2.9.1+dfsg1-3ubuntu4.3 :3ubuntu4.3
3.227.1 Available under license

3.228 libxmu 2:1.1.2 :2
3.228.1 Available under license

3.229 libxmu 2:1.1.1-1 :1
3.229.1 Available under license

3.230 libxslt 1.1.28 :2build1
3.230.1 Available under license

3.231 libyaml 0.1.6 :3
3.231.1 Available under license

3.232 linux 4.4.0 :34.53
3.232.1 Available under license

3.233 linux-atm 1:2.5.1-1.5
3.233.1 Available under license

3.234 linux-firmware 1.127.20
3.234.1 Available under license

3.235 linux-lts-xenial 4.4.0 :31.50~14.04.1
3.235.1 Available under license

3.236 llist 0.4
3.236.1 Available under license

3.237 lm-sensors 1:3.4.0 :2
3.237.1 Available under license

3.238 logstash 5.6.2
3.238.1 Available under license

3.239 logstash-output-syslog 3.0.3

3.240 lsb 9.20160110ubuntu0.2
3.240.1 Available under license

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

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

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

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

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

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

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

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

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<settings default="Apache Software Foundation">
 <module2copyright>
  <element module="All" copyright="Apache Software Foundation" />
 </module2copyright>
 <LanguageOptions name="HTML">
  <option name="fileTypeOverride" value="3" />
  <option name="prefixLines" value="false" />
 </LanguageOptions>
 <LanguageOptions name="JAVA">
  <option name="fileTypeOverride" value="3" />
 </LanguageOptions>
 <LanguageOptions name="JSP">
  <option name="fileTypeOverride" value="3" />
  <option name="prefixLines" value="false" />
 </LanguageOptions>
 <LanguageOptions name="JSPX">
  <option name="fileTypeOverride" value="3" />
  <option name="prefixLines" value="false" />
 </LanguageOptions>
</settings>
</component>
package org.apache.solr.security;

import java.util.Collection;
import java.util.Collections;
import java.util.HashSet;
import java.util.LinkedHashMap;
import java.util.List;
import java.util.Map;
import java.util.Set;
import java.util.function.Function;
import java.util.regex.Pattern;
import java.util.stream.Collectors;
import com.google.common.collect.ImmutableSet;
import org.apache.solr.common.SolrException;
import org.apache.solr.common.util.Utils;
import static java.util.Collections.singleton;
import static java.util.Collections.singletonList;
import static org.apache.solr.common.params.CommonParams.NAME;

class Permission {
    String name;
    Set<String> path, role, collections, method;
    Map<String, Function<String[], Boolean>> params;
    PermissionNameProvider.Name wellknownName;
    Map originalConfig;

    private Permission() {
    }

    static Permission load(Map m) {
        Permission p = new Permission();
        p.originalConfig = new LinkedHashMap<>(m);
        String name = (String) m.get(NAME);
        if (!m.containsKey("role")) throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, "role not specified");
        p.role = readValueAsSet(m, "role");
        if (PermissionNameProvider.Name.get(name) != null) {
            p.wellknownName = PermissionNameProvider.Name.get(name);
            HashSet<String> disAllowed = new HashSet<>(knownKeys);
            disAllowed.remove("role"); // these are the only allowed keys for well-known permissions
            disAllowed.remove("collection"); // allowed keys for well-known permissions
            disAllowed.remove("index");
            for (String s : disAllowed) {
                if (m.containsKey(s))
                    throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, s + " is not a valid key for the permission : " + name);
            }
        }
        p.name = name;
        p.path = readSetSmart(name, m, "path");
        p.collections = readSetSmart(name, m, "collection");
        p.method = readSetSmart(name, m, "method");
    }
Map<String, Object> paramRules = (Map<String, Object>) m.get("params");
if (paramRules != null) {
    p.params = new LinkedHashMap<>();
    for (Map.Entry<String, Object> e : paramRules.entrySet()) {
        if (e.getValue() == null) {
            p.params.put(e.getKey(), (String[] val) -> val == null);
        } else {
            if (e.getValue() instanceof List) {  // Check if the value is a List
                List<String> patternStrs = (List) e.getValue();
                List patterns = patternStrs.stream()
                                        .map(it -> it.startsWith("REGEX:"))
                                        .map(Pattern::compile)
                                        .map(it -> it.substring("REGEX:".length()))
                                        .collect(Collectors.toList());
                p.params.put(e.getKey(), val -> {
                    if (val == null) return false;
                    for (Object pattern : patterns) {
                        for (String s : val) {
                            if (pattern instanceof String) {
                                if (pattern.equals(s)) return true;
                            } else if (pattern instanceof Pattern) {
                                if (((Pattern) pattern).matcher(s).find()) return true;
                            }
                        }
                    }
                    return false;
                });
            }
        }
    }
    return p;
}

/**
 * This checks for the defaults available other rules for the keys
 */
private static Set<String> readSetSmart(String permissionName, Map m, String key) {
    if(PermissionNameProvider.values.containsKey(permissionName) && !m.containsKey(key) &&
        "collection".equals(key)) {
        return PermissionNameProvider.Name.get(permissionName).collName;
    }
    Set<String> set = readValueAsSet(m, key);
    if ("method".equals(key)) {
        if (set != null) {
            for (String s : set) if (!HTTP_METHODS.contains(s)) return null;
        }
    }
    return set;
}
static Set<String> readValueAsSet(Map m, String key) {
    Set<String> result = new HashSet<>();
    Object val = m.get(key);
    if (val == null) {
        if ("collection".equals(key)) {
            // for collection collection: null means a core admin/ collection admin request
            // otherwise it means a request where collection name is ignored
            return m.containsKey(key) ? singleton(null) : singleton("*");
        }
        return null;
    }
    if (val instanceof Collection) {
        Collection list = (Collection) val;
        for (Object o : list) result.add(String.valueOf(o));
    } else if (val instanceof String) {
        result.add((String) val);
    } else {
        throw new RuntimeException("Bad value for: " + key);
    }
    return result.isEmpty() ? null : Collections.unmodifiableSet(result);
}

@override
public String toString() {
    return Utils.toJSONString(originalConfig);
}

static final Set<String> knownKeys = ImmutableSet.of("collection", "role", "params", "path", "method", "NAME","index");
public static final Set<String> HTTP_METHODS = ImmutableSet.of("GET", "POST", "DELETE", "PUT", "HEAD");
You might want to interpret some document fields in more than one way. Solr has a mechanism for making copies of fields so that you can apply several distinct field types to a single piece of incoming information.

The name of the field you want to copy is the _source_, and the name of the copy is the _destination_. In `schema.xml`, it's very simple to make copies of fields:

[source,xml]
----
<copyField source="cat" dest="text" maxChars="30000" />
----

In this example, we want Solr to copy the `cat` field to a field named `text`. Fields are copied before analysis is done, meaning you can have two fields with identical original content, but which use different analysis chains and are stored in the index differently.

In the example above, if the `text` destination field has data of its own in the input documents, the contents of the `cat` field will be added as additional values just as if all of the values had originally been specified by the client. Remember to configure your fields as `multivalued="true"` if they will ultimately get multiple values (either from a multivalued source or from multiple `copyField` directives).

A common usage for this functionality is to create a single "search" field that will serve as the default query field when users or clients do not specify a field to query. For example, `title`, `author`, `keywords`, and `body` may all be fields that should be searched by default, with copy field rules for each field to copy to a `catchall` field (for example, it could be named anything). Later you can set a rule in `solrconfig.xml` to search the `catchall` field by default. One caveat to this is your index will grow when using copy fields. However, whether this becomes problematic for you and the final size will depend on the number of fields being copied, the number of destination fields being copied to, the analysis in use, and the available disk space.

The `maxChars` parameter, an `int` parameter, establishes an upper limit for the number of characters to be copied from the source value when constructing the value added to the destination field. This limit is useful for situations in which you want to copy some data from the source field, but also control the size of index files.

Both the source and the destination of `copyField` can contain either leading or trailing asterisks, which will match anything. For example, the following line will copy the contents of all incoming fields that match the wildcard
pattern `*_t` to the text field:

[source,xml]

```xml
<copyField source="*_t" dest="text" maxChars="25000" />
```

[IMPORTANT]

The `copyField` command can use a wildcard (*) character in the `dest` parameter only if the `source` parameter contains one as well. `copyField` uses the matching glob from the source field for the `dest` field name into which the source content is copied.

Copying is done at the stream source level and no copy feeds into another copy. This means that copy fields cannot be chained i.e., you cannot copy from `here` to `there` and then from `there` to `elsewhere`. However, the same source field can be copied to multiple destination fields:

[source,xml]

```xml
<copyField source="here" dest="there"/>
<copyField source="here" dest="elsewhere"/>
```

Stax2 API is an extension to basic Stax 1.0 API that adds significant new functionality, such as full-featured bi-direction validation interface and high-performance Typed Access API.

(From http://repo1.maven.org/maven2/org/codehaus/woodstox/stax2-api/3.1.4/stax2-api-3.1.4.pom)
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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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boilerpipe

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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XZ for Java 1.0 (2011-10-22)

http://tukaani.org/xz/java.html

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Janino - An embedded Java[TM] compiler

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It specifically implements StAX 1.0 API:


which defines what is closest to being the J2xE standard for XML pull parsers.

Woodstox was originally written by Tatu Saloranta (<tatu.salaranta@iki.fi>).

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The initial code for shuffling an array (originally in class “org.apache.commons.math3.random.RandomDataGenerator”, now replaced by a method in class “org.apache.commons.math3.util.MathArrays”) was inspired from the algorithm description provided in “Algorithms”, by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is available here: http://citeseerx.ist.psu.edu/viewdoc/download;?doi=10.1.1.173.1898&rep=rep1&type=pdf

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Byte Buddy is a code generation and manipulation library for creating and modifying Java classes during the runtime of a Java application and without the help of a compiler.

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a method in class "org.apache.commons.math3.util.MathArrays") was inspired from the algorithm description provided in
"Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999).
The textbook (containing a proof that the shuffle is uniformly random) is available here:
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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
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langdetect

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The code for the t-digest was originally authored by Ted Dunning

A number of small but very helpful changes have been contributed by Adrien Grand (https://github.com/jpountz)

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(From http://woodstox.codehaus.org/4.2.0/release-notes/README)

Woodstox is an XML-parser that allows parsing of XML documents in so-called pull mode (aka "pull parsing"). It specifically implements StAX 1.0 API:


which defines what is closest to being the J2xE standard for XML pull parsers.

Woodstox was originally written by Tatu Saloranta (<tatu.saloranta@iki.fi>.

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The KStem stemmer in
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\texttt{analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,}
\texttt{analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt}

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
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\texttt{analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java}
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\texttt{analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java}
\texttt{analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java}
\texttt{analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java}
\texttt{analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java}
\texttt{analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java}

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    <module2copyright>
      <element module="All" copyright="Apache Software Foundation" />
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    <option name="allowReplaceKeyword" value="Copyright 20" />
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  </copyright>
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*/

package org.apache.solr.security;

import java.util.Collection;
import java.util.Collections;
import java.util.HashSet;
import java.util.LinkedHashMap;
import java.util.List;
import java.util.Map;
import java.util.Set;
import java.util.function.Function;
import java.util.regex.Pattern;
import java.util.stream.Collectors;
import com.google.common.collect.ImmutableSet;
import org.apache.solr.common.SolrException;
import org.apache.solr.common.util.Utils;
import static java.util.Collections.singleton;
import static java.util.Collections.singletonList;
import static org.apache.solr.common.params.CommonParams.NAME;

class Permission {
    String name;
    Set<String> path, role, collections, method;
    Map<String, Function<String[], Boolean>> params;
    PermissionNameProvider.Name wellknownName;
    Map originalConfig;
}
private Permission() {
}

static Permission load(Map m) {
    Permission p = new Permission();
    p.originalConfig = new LinkedHashMap<>(m);
    String name = (String) m.get(NAME);
    if (!m.containsKey("role")) throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, "role not specified");
    p.role = readValueAsSet(m, "role");
    if (PermissionNameProvider.Name.get(name) != null) {
        p.wellknownName = PermissionNameProvider.Name.get(name);
        HashSet<String> disAllowed = new HashSet<>(knownKeys);
        disAllowed.remove("role"); // these are the only allowed keys for well-known permissions
        disAllowed.remove(NAME); // allowed keys for well-known permissions
        disAllowed.remove("collection"); // allowed keys for well-known permissions
        disAllowed.remove("index");
        for (String s : disAllowed) {
            if (m.containsKey(s))
                throw new SolrException(SolrException.ErrorCode.BAD_REQUEST, s + " is not a valid key for the permission : " + name);
        }
    }
    p.name = name;
    p.path = readSetSmart(name, m, "path");
    p.collections = readSetSmart(name, m, "collection");
    p.method = readSetSmart(name, m, "method");
    Map<String, Object> paramRules = (Map<String, Object>) m.get("params");
    if (paramRules != null) {
        p.params = new LinkedHashMap<>();
        for (Map.Entry<String, Object> e : paramRules.entrySet()) {
            if (e.getValue() == null) {
                p.params.put(e.getKey(), (String[] val) -> val == null);
            } else {
                List<String> patternStrs = e.getValue() instanceof List ?
                    (List) e.getValue() :
                    singletonList(e.getValue().toString());
                List patterns = patternStrs.stream()
                    .map(it -> it.startsWith("REGEX:")) ?
                    Pattern.compile(String.valueOf(it.substring("REGEX:".length()))) :
                    it
                    .collect(Collectors.toList());
                p.params.put(e.getKey(), val -> {
                    if (val == null) return false;
                    for (Object pattern : patterns) {
                        for (String s : val) {
                            if (pattern instanceof String) {
                                return true;
                            }
                        }
                    }
                    return false;
                });
            }
        }
    }
}
if (pattern.equals(s)) return true;
} else if (pattern instanceof Pattern) {
    if (((Pattern) pattern).matcher(s).find()) return true;
    return false;
};

/**
 * This checks for the defaults available other rules for the keys
 */
private static Set<String> readSetSmart(String permissionName, Map m, String key) {
    if (PermissionNameProvider.values.containsKey(permissionName) && !m.containsKey(key) && "collection".equals(key)) {
        return PermissionNameProvider.Name.get(permissionName).collName;
    }
    Set<String> set = readValueAsSet(m, key);
    if ("method".equals(key)) {
        if (set != null) {
            for (String s : set) if (!HTTP_METHODS.contains(s)) return null;
        }
        return set;
    }
    return set == null ? singleton(null) : set;
}

/**
 * read a key value as a set. if the value is a single string ,
 * return a singleton set
 *
 * @param m the map from which to lookup
 * @param key the key with which to do lookup
 */
static Set<String> readValueAsSet(Map m, String key) {
    Set<String> result = new HashSet<>();
    Object val = m.get(key);
    if (val == null) {
        if ("collection".equals(key)) {
            //for collection collection: null means a core admin/ collection admin request
            // otherwise it means a request where collection name is ignored
            return m.containsKey(key) ? singleton(null) : singleton("*"); 
        }
        return null;
    }
    result.add((String) val);
    return result;
}
if (val instanceof Collection) {
    Collection list = (Collection) val;
    for (Object o : list) result.add(String.valueOf(o));
} else if (val instanceof String) {
    result.add((String) val);
} else {
    throw new RuntimeException("Bad value for : " + key);
}
return result.isEmpty() ? null : Collections.unmodifiableSet(result);

@Override
public String toString() {
    return Utils.toJSONString(originalConfig);
}

static final Set<String> knownKeys = ImmutableSet.of("collection", "role", "params", "path", "method", NAME, "index");
public static final Set<String> HTTP_METHODS = ImmutableSet.of("GET", "POST", "DELETE", "PUT", "HEAD");

= Copying Fields
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You might want to interpret some document fields in more than one way. Solr has a mechanism for making copies of fields so that you can apply several distinct field types to a single piece of incoming information.

The name of the field you want to copy is the _source_, and the name of the copy is the _destination_. In `schema.xml`, it's very simple to make copies of fields:

[source.xml]
In this example, we want Solr to copy the `cat` field to a field named `text`. Fields are copied before "understanding-analyzers-tokenizers-and-filters.adoc#understanding-analyzers-tokenizers-and-filters,analysis" is done, meaning you can have two fields with identical original content, but which use different analysis chains and are stored in the index differently.

In the example above, if the `text` destination field has data of its own in the input documents, the contents of the `cat` field will be added as additional values just as if all of the values had originally been specified by the client. Remember to configure your fields as `multivalued="true"` if they will ultimately get multiple values (either from a multivalued source or from multiple `copyField` directives).

A common usage for this functionality is to create a single "search" field that will serve as the default query field when users or clients do not specify a field to query. For example, `title`, `author`, `keywords`, and `body` may all be fields that should be searched by default, with copy field rules for each field to copy to a `catchall` field (for example, it could be named anything). Later you can set a rule in `solrconfig.xml` to search the `catchall` field by default. One caveat to this is your index will grow when using copy fields. However, whether this becomes problematic for you and the final size will depend on the number of fields being copied, the number of destination fields being copied to, the analysis in use, and the available disk space.

The `maxChars` parameter, an `int` parameter, establishes an upper limit for the number of characters to be copied from the source value when constructing the value added to the destination field. This limit is useful for situations in which you want to copy some data from the source field, but also control the size of index files.

Both the source and the destination of `copyField` can contain either leading or trailing asterisks, which will match anything. For example, the following line will copy the contents of all incoming fields that match the wildcard pattern `*_t` to the text field.: 

[source,xml]
----
<copyField source="*_t" dest="text" maxChars="25000" />
----

[IMPORTANT]
=====

The `copyField` command can use a wildcard (*) character in the `dest` parameter only if the `source` parameter contains one as well. `copyField` uses the matching glob from the source field for the `dest` field name into which the source content is copied.

Copyiing is done at the stream source level and no copy feeds into another copy. This means that copy fields cannot be chained i.e., _you cannot_ copy from `here` to `there` and then from `there` to `elsewhere`. However, the same source field can be copied to multiple destination fields:

[source,xml]
----
Stax2 API is an extension to basic Stax 1.0 API that adds significant new functionality, such as full-featured bi-direction validation interface and high-performance Typed Access API.

(From http://repo1.maven.org/maven2/org/codehaus/woodstox/stax2-api/3.1.4/stax2-api-3.1.4.pom)
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported
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boilerpipe

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XZ for Java 1.0 (2011-10-22)

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Janino - An embedded Java[TM] compiler

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which defines what is closest to being the J2xE standard for XML pull parsers.

Woodstox was originally written by Tatu Saloranta (<tatu.salaranta@iki.fi>.

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When upgrading Lucene-Java Jars, remember to generate new Analysis factories for any new Tokenizers or TokenFilters. See the wiki for details...

http://wiki.apache.org/solr/CommitterInfo

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   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
Ljiljana Dolamic. These files reside in:
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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   analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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3.2 algorithm-diff-xs-perl 0.04-2build4

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3.7 apt-xapian-index 0.45ubuntu4

3.7.1 Available under license:

apt-xapian-index was packaged by Enrico Zini <enrico@debian.org> on Mon Oct 15 13:58:29 BST 2007

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3.8 aptitude 0.6.8.2-1ubuntu4 :1ubuntu4

3.8.1 Available under license:

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http://algebraicthunk.net/~dburrows/projects/aptitude

Its Git repository is available at:

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3.9 Argparse 1.2.1

3.9.1 Available under license:

argparse is (c) 2006-2009 Steven J. Bethard <steven.bethard@gmail.com>.

The argparse module was contributed to Python as of Python 2.7 and thus
was licensed under the Python license. Same license applies to all files in
the argparse package project.

For details about the Python License, please see doc/Python-License.txt.

History
-------

Before (and including) argparse 1.1, the argparse package was licensed under
Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted
due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from
Python 2.7.1, so definitely all files are under Python License now.

A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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3.13 audit 1:2.4.5 :1ubuntu2

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1646
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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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medium customarily used for software interchange.

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from a designated place, then offering equivalent access to copy the
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If such an object file uses only numerical parameters, data
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3.17 base-passwd 3.5.39

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3.18 bash 4.3-7ubuntu1.5 :7ubuntu1.5

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfff2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
  These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

3.22 bind9 1:9.9.5.dfsg-3 :3

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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

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===========================================================================
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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3.23 binutils 2.24-5ubuntu3 :5ubuntu3

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a `work based on the library' and a `work that uses the library'. The former contains code derived from the library, whereas the latter must be combined with the library in order to run.
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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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

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

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

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above, provided that you also meet all of these conditions:

@enumerate a
@item
The modified work must itself be a software library.

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

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

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

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

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it.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

@item
Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
@end enumerate

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

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

@item
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that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
@end enumerate

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

@example
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year}  @var{name of author}

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@end example

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

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

@example
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signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice
@end example

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Version 3, 29 June 2007

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

TERMS AND CONDITIONS

0. Definitions.

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A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the
To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those
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d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users.
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a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

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@smallexample
@gROUP
with the Invariant Sections being @VAR{list their titles}, with
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@c Local Variables:
c ispell-local-pdict: "ispell-dict"
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(This file is under construction.)

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

++++++++++++++++

Dean Elsner wrote the original gas for vax.  [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.
The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions.
Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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@appendixsubsec Preamble

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Version 2, June 1991

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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concluded that weaker conditions might promote sharing better.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

@enumerate
@item
Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
@item
Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
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@example
@var{one line to give the library's name and an idea of what it does.}
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@end smallexample

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@example
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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free
In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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

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

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

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

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fee.

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

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

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

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

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

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

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

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

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

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

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

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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That's all there is to it!
(This file is under construction.)-

If you've contributed to gas and your name isn't listed here, it is 
not meant as a slight. I just don't know about it. Email me, 
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+++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for 
gdb-specific debug information and the 68k series machines, most of 
the preprocessing pass, and extensive changes in messages.c, 
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various 
enhancements and many bug fixes, including merging support for several 
processors, breaking gas up to handle multiple object file format 
backends (including heavy rewrite, testing, an integration of the coff 
and b.out backends), adding configuration including heavy testing and
verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECoff support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the bbinutils releases for versions 2.7 through 2.9.
David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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3.29 boost-iostreams1.54.0 1.54.0-4ubuntu3.1

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.) This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to
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This package was originally put together by Austin Donnelly <and1000@debian.org>, but is heavily based on bsdutils, originally put together by Ian Murdock <imurdock@gnu.ai.mit.edu>. Please report any problems or suggested additions or changes to Austin Donnelly.

Then the package has been maintained by Charles Briscoe-Smith <cpbs@debian.org>. I gathered data for the 1999-2001 calendar files from various sources on the Internet, and I'd also like to thank Oliver Elphick, Julian Gilbey, Daniel Martin and Jaldhar H. Vyas for providing much useful data on the various religious calendars. I have edited the files they provided to fit calendar's requirements, so any errors should be attributed to me.

After cpbs@debian.org, Marco d'Itri <md@linux.it> maintained it for almost two years, before Tollef Fog Heen <tfheen@debian.org> took over. The package is now maintained by Graham Wilson <bob@decoy.wox.org>.

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3.33 bsdutils 1:2.20.1-5.1ubuntu20.7

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This is libuuid, previously part of e2fsprogs this is now part of util-linux-ng and has thus moved to the util-linux Debian source package.

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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

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

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Version 3, 29 June 2007


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3.53 command-not-found 0.3ubuntu12

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3.57 coreutils 8.25 :2ubuntu2
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Changes:
* added Debian GNU/Linux package maintenance system files
* at times, bug fixes awaiting inclusion in the upstream source

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exec/crypto.h:

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/* Copyright (C) 1996 Bob Jenkins (bob_jenkins@burtleburtle.net) *
 * http://burtleburtle.net/bob/hash/
 * *
 * These are the credits from Bob's sources:
 * *
 * hash(), hash2(), hash3, and mix() are externally useful functions.
 * Routines to test the hash are included if SELF_TEST is defined.
 * You can use this free for any purpose. It has no warranty.
 * *
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 * *
 * I've modified Bob's hash to be useful in the Linux kernel, and
 * any bugs present are surely my fault. -DaveM
 * */

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3.59 corosync 2.3.5 :3ubuntu1

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- **Upstream-Name:** corosync
- **Source:** http://corosync.github.io/corosync/

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Version 2.1, February 1999

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3.71 dash 0.5.8 :2.1ubuntu2

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3.73 db5.3 5.3.28 :3ubuntu3

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3.78 dbus-python 1.2.0-2build2 :2build2

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3.80 debianutils 4.7
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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distlib has started off using some of the code from distutil2.

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3.91 e2fsprogs 1.42.9 :3ubuntu1.3

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This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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3.92 e2fsprogs 1.42.13 :1ubuntu1
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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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DAMAGE.
Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/ *
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell 2005
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** library. This does NOT imply that all of Samba is released **
#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../*.$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \ 
`echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$INSTALL_PROGRAM $(BSD_LIB) \ 
$(DESTDIR)$BSDLIB_INSTALL_DIR/$(BSD_LIB) \ 
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$RM -f $(DESTDIR)$BSDLIB_INSTALL_DIR/$(BSD_LIB)

clean::
$RM -rf pic
$RM -f $(BSD_LIB)
$RM -f ../*$(BSD_LIB)

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Gadi Oxman, August 1995

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github.com/andrewkroh/sys

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github.com/eapache/go-resiliency

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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github.com/pierrec/lz4

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github.com/rcrowley/go-metrics

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github.com/stretchr/objx

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github.com/davecgh/go-spew

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github.com/pmezard/go-difflib

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mgo - MongoDB driver for Go

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3.102 findutils 4.6.0+git+20160126 :2

3.102.1 Available under license :

It was downloaded from ftp://ftp.gnu.org/gnu/findutils

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### 3.103 friendly-recovery 0.2.25

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It was downloaded via bzr from
http://bazaar.launchpad.net/~mvo/friendly-recovery

Upstream Author: Ryan Lortie <desrt@desrt.ca>

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

<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an "about box".

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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a
"work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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

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

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

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

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

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

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

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

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

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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Version 3, 29 June 2007

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Finally, every program is threatened constantly by software patents.
States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

TERMS AND CONDITIONS

0. Definitions.

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menu, a prominent item in the list meets this criterion.


The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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[This is the first released version of the library GPL. It is
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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That's all there is to it!
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(age@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@ groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

==============================================================================

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# 128 bit long double support was introduced with GCC 4.6.0 for FreeBSD.
# These lines make the symbols to get a @@GCC_4.6.0.

%exclude {
  __addtf3
  __copysigntf3
  __divtc3
  __divtf3
  __eqtf2
  __extenddftf2
  __extendsftf2
  __extendxftf2
  __fabstf2
GCC_4.6.0 {
    __addtf3
    %ifndef __x86_64__
    __copsigntf3
    %endif
    __divtfc3
    __divtf3
    __eqtf2
    __extenddftf2
    __extendsftf2
    __extendxtf2
    %ifndef __x86_64__
    __fabsdf2
    %endif
    __fixtf3i
    __fixtfi
    %ifdef __x86_64__
    __fixunstfti
    %endif
    "fixunstfdi
    __fixunstfsi
    __fixunstfti
    __floatdf3f
    __floatsftf2
    __floattftf2
    __floatundtftf2
    __floatunsstf2
    __floatuntftf2
    __getf2
    __gtf2
    __letf2
    __lrf2f2
    __multc3
    __multf3
    __negtf2
    __netf2
    __powitf2
    __subtf3
    __truncdfdf2
    __truncstsf2
    __trunctxf2
    __unordtf2
}
__fixunstfsi
__fixunstfti
__floatditf
__floatsif
__floattitf
__floatuntsf
__floatuntitf
__getf2
__gttf2
__letf2
__lttf2
__multc3
__multf3
__negtf2
__netf2
__powitf2
__subtf3
__trunctfdf2
__trunctfsf2
__trunctfxf2
__unordtf2
}

GCC_4.8.0 {
    __cpu_model
    __cpu_indicator_init
}

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Version 2.1, February 1999

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3.108 gcc-4.9-base 4.9.3-0ubuntu4

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^L

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Public License instead of this License. 
This is an attempt to acknowledge early contributions to the garbage 
collector. Later contributions should instead be mentioned in 
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mitia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(??)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(age@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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Version 2.1, February 1999

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on the Library (independent of the use of the Library in a tool for
writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

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

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

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

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

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

d) If distribution of the work is made by offering access to copy
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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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@heading TERMS AND CONDITIONS

@enumerate 0
@item Definitions.

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@item
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@item
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@item
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@end enumerate

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@end small example

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@smallexample
@group
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  being @var{list}.
@end group
@end smallexample

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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

@c man end

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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

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0

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DAMAGES.
@end enumerate

@iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
@appendixsubsec How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest
possible use to the public, we recommend making it free software that
everyone can redistribute and change. You can do so by permitting
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Yoyodyne, Inc., hereby disclaims all copyright interest in the library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the GNU compiler collection, containing Ada, C, C++, Fortran 95, Java, Objective-C, Objective-C++, and Treelang compilers, documentation, and support libraries. In addition, Debian provides the gdc compiler, either in the same source package, or built from a separate same source package. Packaging is done by the Debian GCC Maintainers <debian-gcc@lists.debian.org>, with sources obtained from:

ftp://gcc.gnu.org/pub/gcc/releases/ (for full releases)
svn://gcc.gnu.org/svn/gcc/ (for prereleases)
http://bitbucket.org/goshawk/gdc (for D)
The current gcc-4.9 source package is taken from the SVN gcc-4_9-branch.

Changes: See changelog.Debian.gz

Debian splits the GNU Compiler Collection into packages for each language, library, and documentation as follows:

<table>
<thead>
<tr>
<th>Language</th>
<th>Compiler package</th>
<th>Library package</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ada</td>
<td>gnat-4.9</td>
<td>libgnat-4.9</td>
<td>gnat-4.9-doc</td>
</tr>
<tr>
<td>C</td>
<td>gcc-4.9</td>
<td>gcc-4.9-doc</td>
<td></td>
</tr>
<tr>
<td>C++</td>
<td>g++-4.9</td>
<td>libstdc++6</td>
<td>libstdc++6-4.9-doc</td>
</tr>
<tr>
<td>D</td>
<td>gdc-4.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fortran 95</td>
<td>gfortran-4.9</td>
<td>libgfortran3</td>
<td>gfortran-4.9-doc</td>
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<tr>
<td>Go</td>
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<td>libgo0</td>
<td></td>
</tr>
<tr>
<td>Java</td>
<td>gcj-4.9</td>
<td>libgcj10</td>
<td>libgcj-doc</td>
</tr>
<tr>
<td>Objective C</td>
<td>gobjc-4.9</td>
<td>libobjc2</td>
<td></td>
</tr>
<tr>
<td>Objective C++</td>
<td>gobjc++-4.9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

<table>
<thead>
<tr>
<th>Language</th>
<th>Sources</th>
<th>Development</th>
<th>Debugging</th>
<th>Position-Independent</th>
</tr>
</thead>
<tbody>
<tr>
<td>C++</td>
<td></td>
<td>libstdc++6-4.9-db</td>
<td>libstdc++6-4.9-pic</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>libphobos-4.9-dev</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Java</td>
<td>libgcj10-src</td>
<td>libgcj10-dev</td>
<td>libgcj10-db</td>
<td></td>
</tr>
</tbody>
</table>

Additional packages include:

All languages:
libgcc1, libgcc2, libgcc4  GCC intrinsics (platform-dependent)
gcc-4.9-base  Base files common to all compilers
gcc-4.9-soft-flota  Software floating point (ARM only)
gcc-4.9-source  The sources with patches

Ada:
libgnatvsn-dev, libgnatvsn4.9  GNAT version library
libgnatprj-dev, libgnatprj4.9  GNAT Project Manager library

C:
cpp-4.9, cpp-4.9-doc  GNU C Preprocessor
libssp0-dev, libssp0  GCC stack smashing protection library
libquadmath0  Math routines for the __float128 type
fixincludes  Fix non-ANSI header files
protoize  Create/remove ANSI prototypes from C code
Java:

gij                             The Java bytecode interpreter and VM
libgcj-common                   Common files for the Java run-time
libgcj10-awt                    The Abstract Windowing Toolkit
libgcj10-jar                    Java ARchive for the Java run-time

C, C++ and Fortran 95:
libgomp1-dev, libgomp1          GCC OpenMP (GOMP) support library
libitm1-dev, libitm1            GNU Transactional Memory Library

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gcc/go/gofrontend, libgo:

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D:
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libphobos-4.9-dev               D standard runtime library

The D source package is made up of the following components.

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The DMD Compiler implementation of the D programming language:
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3.109 gcc-5 5.4.0 :6ubuntu1~16.04.2

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Version 3.1, 31 March 2009

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3.110 gcc-defaults 1.150ubuntu1

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3.111 gccgo-6 6.0.1 :0ubuntu1

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined.
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
ccontributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
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subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Petersen (jep@miame.mtia.oz.au), Michel Schinz, and
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Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. AI Dossers provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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

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

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

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

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

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that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

@heading TERMS AND CONDITIONS

@enumerate
@item Definitions.

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@item Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work’s System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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and giving a relevant date.

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The work must carry prominent notices stating that it is released
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@enumerate
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@item Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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@item
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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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@end enumerate

@ifex
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@page
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USA.
@end example

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

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

@{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end example

That's all there is to it!

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3.112 gcr 3.10.1-1 :1
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It was downloaded from <http://ftp.gnome.org/pub/GNOME/sources/glib/>.

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3.118 glib2.0 2.48.1 :1~ubuntu16.04.1

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This package was debianized by Akira TAGOH <tagoh@debian.org> on Thu, 7 Mar 2002 01:05:25 +0900.

It was downloaded from <http://ftp.gnome.org/pub/GNOME/sources/glib/>.

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Description: Don't warn for _BSD_SOURCE || _SVID_SOURCE, drop post-vivid

Author: Adam Conrad <adconrad@ubuntu.com>

--- glibc-2.21.orig/include/features.h
+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
 transitioned to use the new macro. */
 #if (defined _BSD_SOURCE || defined _SVID_SOURCE) 
 & & !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+ and we don't have time to check/fix everything before vivid release
+ # warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
+# undef _DEFAULT_SOURCE
+# define _DEFAULT_SOURCE
# endif

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```

This gmp package was built for Debian by

Steve M. Robbins <smr@debian.org>
Philipp Matthias Hahn <pmhahn@debian.org>

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GMP Debian Package

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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2. You may modify your copy or copies of the Library or any portion
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charge to all third parties under the terms of this License.

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

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

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

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

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

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

You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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

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

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than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
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e) Verify that the user has already received a copy of these
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For an executable, the required form of the "work that uses the
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which the executable runs, unless that component itself accompanies
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It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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@enumerate 0
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3.125 gnutls28 3.4.10 :4ubuntu1.1
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This package was debianized by Ivo Timmermans <ivo@debian.org> on
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It was later taken over by Matthias Urlichs <smurf@debian.org> and is now
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<eric@debian.org>, James Westby <jw+debian@jameswestby.net>

It was downloaded from ftp://ftp.gnutls.org/gcrypt/gnutls/

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Added gnutls_x509_crq_get_key_id.

Daiki Ueno *ueno [at] unixuser.org*
Added TLS Session Ticket (RFC 5077) support,
finished client-side TLS 1.2 support.

Brad Hards *bradh [at] frogmouth.net*
Add X.509 Issuer Alternative Name functions.

Boyan Kasarov *bkasarov [at] gmail.com*
C++ fixes.

Steve Dispensa *dispensa [at] phonefactor.com*
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Jonathan Bastien-Filiatrault *joe [at] x2a.org*
Fix TLS-version checks.
Redesign and implementation of the buffering layer.
Initial DTLS implementation.

Ruslan Ijbultov (LRN) *lrn1986 [at] gmail.com*
Win32 patches.

Andy Polyakov *appro [at] openssl.org*
AES-NI and Padlock assembler code (at lib/accelerated/intel/asm/)

David Woodhouse *dwmw2 [at] infradead.org*
DTLS 0.9 implementation.

Olga Smolenchuk *olyasib12 [at] gmail.com*
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Elliptic curve support improvements (wmNAF implementation and others).

Martin Storjo *martin [at] martin.st*
DTLS-SRTP support.

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Comment: This code is not used on Debian/*, since we have a working
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#####################################################################
Constant-time SSSE3 AES core implementation.
version 0.1

By Mike Hamburg (Stanford University), 2009
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

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

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

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

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

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

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

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

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

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

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

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

4. You may copy and distribute the Library (or a portion or
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under the terms of Sections 1 and 2 above provided that you accompany
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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

TERMS AND CONDITIONS

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"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

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The "source code" for a work means the preferred form of the work
for making modifications to it. "Object code" means any non-source form of a work.

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The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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

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If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
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Version 3, 29 June 2007


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Version 3, 29 June 2007


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src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

The `gxditview' output device. It is based on X11’s `xditview' program and thus has the X license.

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
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src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
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src/devices/xditview/page.c
src/devices/xditview/parse.c
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- The `-mdoc` macro set, using the BSD license.
  
  tmac/doc.tmac  
  tmac/doc-old.tmac  
  tmac/doc-common  
  tmac/doc-ditroff  
  tmac/doc-nroff  
  tmac/doc-syms  
  tmac/groff_mdoc.man

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  tmac/e.tmac  
  tmac/groff_me.man  
  doc/meintro.me  
  doc/meref.me

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

- The file `tmac/hyphen.us` is identical to the file `hyphen.tex`, part of the TeX system written by Donald E. Knuth; the master file can be found at
  
  ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex  

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@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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3.138 icu 55.1 :7
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This package was debianized by Jay Berkenbilt <qjb@debian.org> on August 5, 2005. The packaging was taken over by Laszlo Boszormenyi (GCS) <gcs@debian.org> on Tue, 17 Mar 2015.

The original source was downloaded from
http://icu-project.org/download/latest_milestone.html

The main web site for ICU is
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## -*-makefile-*-

## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS = -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srccdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srccdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srccdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp

$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$\$(SHELL) -ec "$(GEN_DEPS.c) $< \ |
    sed 's/\($*\)\.o[ :]*/\1.o $@ : /g' > $@; \
    [-s $@ ] || rm -f $@’

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$\$(SHELL) -ec "$(GEN_DEPS.cc) $< \ |
    sed 's/\($*\)\.o[ :]*/\1.o $@ : /g' > $@; \
    [-s $@ ] || rm -f $@’

## Versioned libraries rules

%.$\$(SO).$\$(SO_TARGET_VERSION_MAJOR): %.$\$(SO).$\$(SO_TARGET_VERSION)
$\$(RM) $@ && ln -s ${<F} $@

%.$\$(SO): %.$\$(SO).$\$(SO_TARGET_VERSION_MAJOR)
$\$(RM) $@ && ln -s ${*F}.\$(SO).$\$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library ‘s’
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

3.139 idna 2.1
3.139.1 Available under license :

BSD-like
3.140 ifupdown 0.8.10ubuntu1.1

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3.151 isc-dhcp 4.3.3 :5ubuntu12.1

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Files-Excluded:
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3.152 isc-dhcp 4.2.4 :7ubuntu12

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* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cffe2bf5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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3.156 keyutils 1.5.9 :8ubuntu1

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3.158 kmod 22 :1ubuntu4
3.158.1 Available under license :

This is the Debian GNU/Linux prepackaged version of kmod.

It has been packaged by Marco d’Itri <md@linux.it>.

Original sources were obtained from:
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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- cmd/krb5/slave/kpropd_rpc.c
- lib/gss_mechs/mech_krb5/et/kdb5_err.c
- lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
- lib/gss_mechs/mech_spnego/mach/spnego_mech.c
- lib/krb5/kadm5/kadm_host_srv_names.c
- lib/krb5/kdb/kdb_convert.c
- lib/krb5/kdb/kdb_hdr.h
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- lib/krb5/kdb/kdb_log.h
- lib/libgss/g_accept_sec_context.c
- lib/libgss/g_acquire_cred.c
- lib/libgss/g_canon_name.c
- lib/libgss/g_compare_name.c
- lib/libgss/g_context_time.c
- lib/libgss/g_delete_sec_context.c
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
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lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
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lib/gssapi/mechglue/g_inquire_cred.c
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lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
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lib/gssapi/mechglue/g_unseal.c
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lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
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lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
```
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/krb5_err.et
slave/kpropd_rpc.c
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3.170.1 Available under license :
Maintainer: James G. Smith <jsmith@cpan.org>
Source: http://search.cpan.org/dist/Algorithm-Merge/
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man/explicit_bzero.3
man/fgetln.3
man/fgetwln.3
man/funopen.3bsd
man/getbsize.3
man/heapsort.3
man/nlist.3
man/queue.3bsd
man/radixsort.3
man/reallocarray.3
man/reallocf.3
man/setmode.3
man/strmode.3
man/strnstr.3
man/unvis.3
man/vis.3
man/wcsclpy.3
src/getbsize.c
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src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
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include/bsd/timeconv.h
include/bsd/vis.h
man/bitstring.3
man/explicit_bzero.3
man/fgetln.3
man/fgetwln.3
man/funopen.3bsd
man/getbsize.3
man/heapsort.3
man/nlist.3
man/queue.3bsd
man/radixsort.3
man/reallocarray.3
man/reallocf.3
man/setmode.3
man/strmode.3
man/strnstr.3
man/unvis.3
man/vis.3
man/wcsclpy.3
src/getbsize.c
src/heapsort.c
src/merge.c
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src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c
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3.178 libdumbnet 1.12-4build1

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3.181 libept 1.0.12

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3.183 libffi 3.2.1 :4

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3.184 libffi 3.1 :12

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3.185 libfile-fcntllock-perl 0.22 :3
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3.186 libfile-fcntllock-perl 0.14 :2build1

3.187 libgcrypt11 1.5.3 :2ubuntu4.3

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mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

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added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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GNUPGWerner Koch 1998-02-23
Assigns GNU Privacy Guard and future changes.
Assignment for future changes terminated on 2012-12-04.
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Designed and implemented GnuPG.

GNUPGMatthew Skala 1998-08-10
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Wrote cipher/twofish.c.

GNUPGNatural Resources Canada 1998-08-11
Disclaims changes by Matthew Skala.
Open Source Used In VIRTUAL TOPOLOGY SYSTEM 2.6.2

GNUPG Michael Roth Germany 1998-09-17
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Changes and bug fixes all over the place.

GNUPG Niklas Hernaeus 1998-09-18
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ANY g10 Code GmbH 2001-06-07
Assignment for future changes in Libgcrypt terminated on 2012-12-04.
Code marked with ChangeLog entries of g10 Code employees.

LIBGCRYPT Timo Schulz 2001-08-31
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LIBGCRYPT Simon Josefsson 2002-10-25
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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in, src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S, mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpih-mul2.S, mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c, tests/register.c, tests/ac.c, tests/basic.c, tests/texp.c, tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09
Assigns Past and Future Changes
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(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex. added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

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ANY g10 Code GmbH 2001-06-07
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LIBGCRYPT The Written Word 2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in, src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpi/mul3.S, mpi/hppa1.1/mpi/mul2.S, mpi/hppa1.1/mpi/mul1.S, mpi/Makefile.am, tests/prime.c, tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c, tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

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(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex. added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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LIBGCRYPT Andrey Jivsov 2010-12-09
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LIBGCRYPT Ulrich Miller 2012-02-15
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3.198 libparse-debianchangelog-perl 1.2.0 :1ubuntu1

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3.202 librdmacm 1.0.21 :1

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Source:
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3.204 libselinux 2.4 :3build2

3.204.1 Available under license :

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3.205 libsemanage 2.3 :1build2

3.205.1 Available under license :

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

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

6. As an exception to the Sections above, you may also combine or
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modification of the work for the customer's own use and reverse
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during execution displays copyright notices, you must include the
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directing the user to the copy of this License. Also, you must do one
of these things:

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

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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3.212 libtimedate-perl 2.3000 :1

3.213 libtimedate-perl 2.3000-1 :1

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3.214 libtool 2.4.6 :0.1

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3.231 libyaml 0.1.6 :3

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3.232 linux 4.4.0 :34.53

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(If you think you should be in this list, but you are not, drop a line to the DVB mailing list)
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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * 
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 * 
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 * 
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * 
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 * 
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
combined, allow nicstar_free_rx_skb to be called to
recycle large data buffers
2) skb_clone of received buffers
See nicstar_free_rx_skb and linearize_buffer for implementation
details.

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M. Welsh, 6 July 1996

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concluded that weaker conditions might promote sharing better.

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Linus Torvalds

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3.234 linux-firmware 1.127.20

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The following XC500 firmware file "dvb-fe-xc5000-1.6.114.fw" was
created based on "xc5000_firmwares_32000Khz.h".

Firmware provided as part of an XC5000 Linux developers kit by Brian
Mathews <bmathews@xceive.com> to Devin Heitmueller <dheitmueller@linuxtv.org>
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Firmware provided as part of an XC4000 Linux developers kit by Brian Mathews <bmathews@xceive.com> to Devin Heitmueller <dheitmueller@kermellabs.org> on July 1, 2009.

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* $Id: sha2.c,v 1.1 2001/11/08 00:01:51 adg Exp adg $
*/

File: LLM_sp_sha2.c

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 * this includes inlined list.h safe for userspace.
 *
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 *
 * Authors:
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 *    Dave Airlie
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File: comm_lib.h

===============================================================================

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 * ====================================================================
 */
4.

/* crypto/aes/aes_core.c -*- mode:C; c-file-style: "eay" -*- */
/**
 * rijndael-alg-fst.c
 *
 * @version 3.0 (December 2000)
 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
 * @author Paulo Barreto <paulo.barreto@terra.com.br>
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 */

File: aes_core.c

5.

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$Header://depot/asic/msmshared/sec/sec/MSM_SEC.03.03.08.xx/aes.h#1 $
$DateTime: 2006/12/11 00:43:21 $ $Author: davidf $

when who what, where, why
-------- --- -----------------------------------------------------------
/*

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Dr B. R. Gladman <brg@gladman.uk.net> 1st June 2001.

This is an implementation of the AES encryption algorithm (Rijndael)
designed by Joan Daemen and Vincent Rijmen. This version is designed
to provide both fixed and dynamic block and key lengths and can also
run with either big or little endian internal byte order.

NOTE: Input block and key lengths are given in terms of the lengths of
the byte arrays involved, the legal values being 16, 24 and 32.

A. THE CIPHER INTERFACE

byte                    (an unsigned 8-bit type)
word                    (an unsigned 32-bit type)
aes_ret:                (a signed 16 bit type for function return values)
aes_good               (value != 0, a good return)
aes_bad                (value == 0, an error return)
enum aes_key:           (encryption direction)
      enc            (set key for encryption)
      dec            (set key for decryption)
      both           (set key for both)
class or struct aes    (structure for context)

C subroutine calls:

aes_ret set_blk(const word block_length, aes *cx)  (variable block size)
aes_ret set_key(const byte key[], const word key_length,
      const enum aes_key direction, aes *cx)
aes_ret encrypt(const byte input_blk[], byte output_blk[], const aes *cx)
aes_ret decrypt(const byte input_blk[], byte output_blk[], const aes *cx)

IMPORTANT NOTE: If you are using this C interface and your compiler does
not set the memory used for objects to zero before use, you will need to
ensure that cx.mode is set to zero before using the C subroutine calls.

11/12/04  rv  changes to correct LINT errors
02/02/04  rwh  Small mods to open source.
C++ aes class subroutines:

aes_ret set_blk(const word block_length)  (variable block size)
aes_ret set_key(const byte key[], const word key_length,
                const aes_key direction)
aes_ret encrypt(const byte input_blk[], byte output_blk[]) const
aes_ret decrypt(const byte input_blk[], byte output_clk[]) const

The block length inputs to set_block and set_key are in numbers of
BYTES, not bits. The calls to subroutines must be made in the above
order but multiple calls can be made without repeating earlier calls
if their parameters have not changed. If the cipher block length is
variable but set_blk has not been called before cipher operations a
value of 16 is assumed (that is, the AES block size). In contrast to
earlier versions the block and key length parameters are now checked
for correctness and the encryption and decryption routines check to
ensure that an appropriate key has been set before they are called.

B. BYTE ORDER WITHIN 32 BIT WORDS

The fundamental data processing units in Rijndael are 8-bit bytes. The
input, the output and the key input are all enumerated arrays of bytes
in which bytes are numbered starting at zero and increasing to one less
than the number of bytes in the array in question. When these inputs
and outputs are considered as bit sequences, the n'th byte contains
bits 8n to 8n+7 of the sequence with the lower numbered bit mapped to
the most significant bit within the byte (i.e. that having a numeric
value of 128). However, Rijndael can be implemented more efficiently
using 32-bit words to process 4 bytes at a time provided that the order
of bytes within words is known. This order is called big-endian if the
lowest numbered bytes in words have the highest numeric significance
and little-endian if the opposite applies. This code can work in either
order irrespective of the native order of the machine on which it runs.
The byte order used internally is set by defining INTERNAL_BYTE_ORDER
whereas the order for all inputs and outputs is specified by defining
EXTERNAL_BYTE_ORDER, the only purpose of the latter being to determine
if a byte order change is needed immediately after input and immediately
before output to account for the use of a different internal byte order.
In almost all situations both of these defines will be set to the native
order of the processor on which the code is to run but other settings
may sometimes be useful in special circumstances.

#define INTERNAL_BYTE_ORDER LITTLE_ENDIAN
#define EXTERNAL_BYTE_ORDER LITTLE_ENDIAN

C. COMPILATION

To compile AES (Rijndael) for use in C code
a. Exclude the AES_DLL define in aes.h
b. Exclude the AES_IN_CPP define in aes.h

To compile AES (Rijndael) for use in C++ code
a. Exclude the AES_DLL define in aes.h
b. Include the AES_IN_CPP define in aes.h

To compile AES (Rijndael) in C as a Dynamic Link Library
a. Include the AES_DLL define in aes.h
b. Compile the DLL. If using the test files, exclude aes.c from
   the test build project and compile it with the same defines
   as used for the DLL (ensure that the DLL path is correct)

D. CONFIGURATION OPTIONS (see also aes.c)

1. define BLOCK_SIZE to set the cipher block size (16, 24 or 32) or
   leave this undefined for dynamically variable block size (this will
   result in much slower code).
2. set AES_IN_CPP to use the code from C++ rather than C
3. set AES_DLL if AES (Rijndael) is to be compiled to a DLL
4. set INTERNAL_BYTE_ORDER to one of the above constants to set the
   internal byte order (the order used within the algorithm code)
5. set EXTERNAL_BYTE_ORDER to one of the above constants to set the byte
   order used at the external interfaces for the input, output and key
   byte arrays.

IMPORTANT NOTE: BLOCK_SIZE is in BYTES: 16, 24, 32 or undefined for aes.c
   and 16, 20, 24, 28, 32 or undefined for aes++.c. If left undefined a
   slower version providing variable block length is compiled

#define BLOCK_SIZE  16

Define AES_IN_CPP if you intend to use the AES C++ class rather than the
C code directly.

#define AES_IN_CPP

Define AES_DLL if you wish to compile the code to produce a Windows DLL

#define AES_DLL

*/

File: aes.h

/*****************************************************************************/

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#
#
# The purpose of this module is to define how a check is to be performed.
# Use one of the Check...() functions below.
#
#
# A context class is used that defines functions for carrying out the tests,
# logging and messages. The following methods and members must be present:
#
# context.Display(msg)  Function called to print messages that are normally
#                      displayed for the user. Newlines are explicitly used.
#                      The text should also be written to the logfile!
# #
# context.Log(msg)      Function called to write to a log file.
# #
# context.BuildProg(text, ext)
#                Function called to build a program, using "ext" for the
#                file extension. Must return an empty string for
#                success, an error message for failure.
#                For reliable test results building should be done just
#                like an actual program would be build, using the same
#                command and arguments (including configure results so
#                far).
# #
# context.CompileProg(text, ext)
#                Function called to compile a program, using "ext" for
#                the file extension. Must return an empty string for
#                success, an error message for failure.
#                For reliable test results compiling should be done just
#                like an actual source file would be compiled, using the
#                same command and arguments (including configure results
#                so far).
# #
# context.AppendLIBS(lib_name_list)
#                Append "lib_name_list" to the value of LIBS.
#                "lib_namelist" is a list of strings.
#                Return the value of LIBS before changing it (any type
#                can be used, it is passed to SetLIBS() later.)
# #
# context.PrependLIBS(lib_name_list)
#                Prepend "lib_name_list" to the value of LIBS.
#                "lib_namelist" is a list of strings.
#                Return the value of LIBS before changing it (any type
# can be used, it is passed to SetLIBS() later.)
#
# context.SetLIBS(value)
# Set LIBS to "value". The type of "value" is what
# AppendLIBS() returned.
# Return the value of LIBS before changing it (any type
# can be used, it is passed to SetLIBS() later.)
#
# context.headerfilename
# Name of file to append configure results to, usually
# "confdefs.h".
# The file must not exist or be empty when starting.
# Empty or None to skip this (some tests will not work!).
#
# context.config_h (may be missing). If present, must be a string, which
# will be filled with the contents of a config_h file.
#
# context.vardict Dictionary holding variables used for the tests and
# stores results from the tests, used for the build
# commands.
# Normally contains "CC", "LIBS", "CPPFLAGS", etc.
#
# context.havedict Dictionary holding results from the tests that are to
# be used inside a program.
# Names often start with "HAVE_". These are zero
# (feature not present) or one (feature present). Other
# variables may have any value, e.g., "PERLVERSION" can
#
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agere_sta_fw.bin  -- 9.48 Hermes I
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The Linux driver architecture was based on two modules, the MSF (Module
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---------------------------------------------------------------------------
WIS GO7007SB Public Linux Driver
---------------------------------------------------------------------------

*** Please see the file RELEASE-NOTES for important last-minute updates ***

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This driver kit contains Linux drivers for the WIS GO7007SB multi-format video encoder. Only kernel version 2.6.x is supported. The video stream is available through the Video4Linux2 API and the audio stream is available through the ALSA API (or the OSS emulation layer of the ALSA system).

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1. SYSTEM REQUIREMENTS

This driver requires Linux kernel 2.6. Kernel 2.4 is not supported. Using kernel 2.6.10 or later is recommended, as earlier kernels are known to have unstable USB 2.0 support.

A fully built kernel source tree must be available. Typically this will be linked from "/lib/modules/<KERNEL VERSION>/build" for convenience. If this link does not exist, an extra parameter will need to be passed to the `make` command.

All vendor-built kernels should already be configured properly. However, for custom-built kernels, the following options need to be enabled in the kernel as built-in or modules:

```
CONFIG_HOTPLUG           - Support for hot-pluggable devices
CONFIG_MODULES           - Enable loadable module support
CONFIG_KMOD              - Automatic kernel module loading
CONFIG_FW_LOADER         - Hotplug firmware loading support
CONFIG_I2C               - I2C support
CONFIG_VIDEO_DEV         - Video For Linux
CONFIG_SOUND             - Sound card support
CONFIG_SND               - Advanced Linux Sound Architecture
CONFIG_USB               - Support for Host-side USB
CONFIG_USB_DEVICEFS      - USB device filesystem
CONFIG_USB_EHCI_HCD      - EHCI HCD (USB 2.0) support
```

Additionally, to use the example application, the following options need to be enabled in the ALSA section:
CONFIG_SND_MIXER_OSS     - OSS Mixer API
CONFIG_SND_PCM_OSS       - OSS PCM (digital audio) API

The hotplug scripts, along with the fxload utility, must also be installed. These scripts can be obtained from <http://linux-hotplug.sourceforge.net/>. Hotplugging is used for loading firmware into the Cypress EZ-USB chip using fxload and for loading firmware into the driver using the firmware agent.

2. COMPILING AND INSTALLING THE DRIVER

Most users should be able to compile the driver by simply running:

$ make

in the top-level directory of the driver kit. First the kernel modules will be built, followed by the example applications.

If the build system is unable to locate the kernel source tree for the currently-running kernel, or if the module should be built for a kernel other than the currently-running kernel, an additional parameter will need to be passed to make to specify the appropriate kernel source directory:

$ make KERNELSRC=/usr/src/linux-2.6.10-custom3

Once the compile completes, the driver and firmware files should be installed by running:

$ make install

The kernel modules will be placed in "/lib/modules/<KERNEL VERSION>/extra" and the firmware files will be placed in the appropriate hotplug firmware directory, usually /lib/firmware. In addition, USB maps and scripts will be placed in /etc/hotplug/usb to enable fxload to initialize the EZ-USB control chip when the device is connected.

3. PAL/SECAM TUNER CONFIGURATION (TV402U-EU only)

The PAL model of the Plextor ConvertX TV402U may require additional configuration to correctly select the appropriate TV frequency band and audio subchannel.

Users with a device other than the Plextor ConvertX TV402U-EU should skip this section.
The wide variety of PAL TV systems used in Europe requires that additional information about the local TV standards be passed to the driver in order to properly tune TV channels. The two necessary parameters are (a) the PAL TV band, and (b) the audio subchannel format in use.

In many cases, the appropriate TV band selection is passed to the driver from applications. However, in some cases, the application only specifies that the driver should use PAL but not the specific information about the appropriate TV band. To work around this issue, the correct TV band may be specified in the "force_band" parameter to the wis-sony-tuner module:

<table>
<thead>
<tr>
<th>TV band</th>
<th>force_band</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAL B/G</td>
<td>B</td>
</tr>
<tr>
<td>PAL I</td>
<td>I</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>D</td>
</tr>
<tr>
<td>SECAM L</td>
<td>L</td>
</tr>
</tbody>
</table>

If the "force_band" parameter is specified, the driver will ignore any TV band specified by applications and will always use the band provided in the module parameter.

The other parameter that can be specified is the audio subchannel format. There are several stereo audio carrier systems in use, including NICAM and three varieties of A2. To receive audio broadcast on one of these stereo carriers, the "force_mpx_mode" parameter must be specified to the wis-sony-tuner module:

<table>
<thead>
<tr>
<th>TV band</th>
<th>Audio subcarrier</th>
<th>force_mpx_mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAL B/G</td>
<td>Mono (default)</td>
<td>1</td>
</tr>
<tr>
<td>PAL B/G</td>
<td>A2</td>
<td>2</td>
</tr>
<tr>
<td>PAL B/G</td>
<td>NICAM</td>
<td>3</td>
</tr>
<tr>
<td>PAL I</td>
<td>Mono (default)</td>
<td>4</td>
</tr>
<tr>
<td>PAL I</td>
<td>NICAM</td>
<td>5</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>Mono (default)</td>
<td>6</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>A2 (1)</td>
<td>7</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>A2 (2)</td>
<td>8</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>A2 (3)</td>
<td>9</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>NICAM</td>
<td>10</td>
</tr>
<tr>
<td>SECAM L</td>
<td>Mono (default)</td>
<td>11</td>
</tr>
<tr>
<td>SECAM L</td>
<td>NICAM</td>
<td>12</td>
</tr>
</tbody>
</table>

If the "force_mpx_mode" parameter is not specified, the correct mono-only mode will be chosen based on the TV band. However, the tuner will not receive stereo audio or bilingual broadcasts correctly.

To pass the "force_band" or "force_mpx_mode" parameters to the
wis-sony-tuner module, the following line must be added to the modprobe configuration file, which varies from one Linux distribution to another.

```
options wis-sony-tuner force_band=B force_mpx_mode=2
```

The above example would force the tuner to the PAL B/G TV band and receive stereo audio broadcasts on the A2 carrier.

To verify that the configuration has been placed in the correct location, execute:

```
$ modprobe -c | grep wis-sony-tuner
```

If the configuration line appears, then modprobe will pass the parameters correctly the next time the wis-sony-tuner module is loaded into the kernel.

### 4. TESTING THE DRIVER

Because few Linux applications are able to correctly capture from Video4Linux2 devices with only compressed formats supported, the new driver should be tested with the "gorecord" application in the apps/ directory.

First connect a video source to the device, such as a DVD player or VCR. This will be captured to a file for testing the driver. If an input source is unavailable, a test file can still be captured, but the video will be black and the audio will be silent.

This application will auto-detect the V4L2 and ALSA/OSS device names of the hardware and will record video and audio to an AVI file for a specified number of seconds. For example:

```
$ apps/gorecord -duration 60 capture.avi
```

If this application does not successfully record an AVI file, the error messages produced by gorecord and recorded in the system log (usually in /var/log/messages) should provide information to help resolve the problem.

Supplying no parameters to gorecord will cause it to probe the available devices and exit. Use the -help flag for usage information.

### 5. USING THE DRIVER

The V4L2 device implemented by the driver provides a standard compressed
format API, within the following criteria:

* Applications that only support the original Video4Linux1 API will not be able to communicate with this driver at all.

* No raw video modes are supported, so applications like xawtv that expect only uncompressed video will not function.

* Supported compression formats are: Motion-JPEG, MPEG1, MPEG2 and MPEG4.

* MPEG video formats are delivered as Video Elementary Streams only. Program Stream (PS), Transport Stream (TS) and Packetized Elementary Stream (PES) formats are not supported.

* Video parameters such as format and input port may not be changed while the encoder is active.

* The audio capture device only functions when the video encoder is actively capturing video. Attempts to read from the audio device when the encoder is inactive will result in an I/O error.

* The native format of the audio device is 48Khz 2-channel 16-bit little-endian PCM, delivered through the ALSA system. No audio compression is implemented in the hardware. ALSA may convert to other uncompressed formats on the fly.

The include/ directory contains a C header file describing non-standard features of the GO7007SB encoder, which are described below:

GO7007IOC_S_COMP_PARAMS, GO7007IOC_G_COMP_PARAMS

These ioctls are used to negotiate general compression parameters.

To query the current parameters, call the GO7007IOC_G_COMP_PARAMS ioctl with a pointer to a struct go7007_comp_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct go7007_comp_params and call the GO7007_IOC_S_COMP_PARAMS ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or current compression mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct go7007_comp_params:
__u32 gop_size
The maximum number of frames in each
Group Of Pictures; i.e. the maximum
number of frames minus one between
each key frame.

__u32 max_b_frames
The maximum number of sequential
bidirectionally-predicted frames.
(B-frames are not yet supported.)

enum go7007_aspect_ratio
The aspect ratio to be encoded in the
meta-data of the compressed format.

Choices are:
GO7007_ASPECT_RATIO_1_1
GO7007_ASPECT_RATIO_4_3_NTSC
GO7007_ASPECT_RATIO_4_3_PAL
GO7007_ASPECT_RATIO_16_9_NTSC
GO7007_ASPECT_RATIO_16_9_PAL

__u32 flags
Bit-wise OR of control flags (below)

Flags in struct go7007_comp_params:

GO7007_COMP_CLOSED_GOP
Only produce self-contained GOPs, used
to produce streams appropriate for
random seeking.

GO7007_COMP_OMIT_SEQ_HEADER
Omit the stream sequence header.

GO7007IOC_S_MPEG_PARAMS, GO7007IOC_G_MPEG_PARAMS

These ioctls are used to negotiate MPEG-specific stream parameters when
the pixelformat has been set to V4L2_PIX_FMT_MPEG.

To query the current parameters, call the GO7007IOC_G_MPEG_PARAMS ioctl
with a pointer to a struct go7007_mpeg_params. If the driver is not
set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct
go7007_mpeg_params and call the GO7007_IOC_S_MPEG_PARAMS ioctl with a
pointer to this structure. The driver will return the current
parameters with any necessary changes to conform to the limitations of
the hardware or selected MPEG mode. Any or all fields can be set to
zero to request a reasonable default value. If the driver is not set
to MPEG format, the EINVAL error code will be returned. When I/O is in
progress, the EBUSY error code will be returned.

Fields in struct go7007_mpeg_params:

```
enum go7007_mpeg_video_standard
    mpeg_video_standard        The MPEG video standard in which to
                              compress the video.

   Choices are:
    GO7007_MPEG_VIDEO_MPEG1
    GO7007_MPEG_VIDEO_MPEG2
    GO7007_MPEG_VIDEO_MPEG4

__u32                        Bit-wise OR of control flags (below)
flags

__u32                        The profile and level indication to be
pali                       stored in the sequence header. This
                          is only used as an indicator to the
                          decoder, and does not affect the MPEG
                          features used in the video stream.
                          Not valid for MPEG1.

   Choices for MPEG2 are:
    GO7007_MPEG2_PROFILE_MAIN_MAIN

   Choices for MPEG4 are:
    GO7007_MPEG4_PROFILE_S_L0
    GO7007_MPEG4_PROFILE_S_L1
    GO7007_MPEG4_PROFILE_S_L2
    GO7007_MPEG4_PROFILE_S_L3
    GO7007_MPEG4_PROFILE_ARTS_L1
    GO7007_MPEG4_PROFILE_ARTS_L2
    GO7007_MPEG4_PROFILE_ARTS_L3
    GO7007_MPEG4_PROFILE_ARTS_L4
    GO7007_MPEG4_PROFILE_AS_L0
    GO7007_MPEG4_PROFILE_AS_L1
    GO7007_MPEG4_PROFILE_AS_L2
    GO7007_MPEG4_PROFILE_AS_L3
    GO7007_MPEG4_PROFILE_AS_L4
    GO7007_MPEG4_PROFILE_AS_L5
```

Flags in struct go7007_mpeg_params:

```
GO7007_MPEG_FORCE_DVD_MODE   Force all compression parameters and
                              bitrate control settings to comply
                              with DVD MPEG2 stream requirements.
                              This overrides most compression and
bitrate settings!

GO7007_MPEG_OMIT_GOP_HEADER Omit the GOP header.

GO7007_MPEG_REPEAT_SEQHEADER Repeat the MPEG sequence header at the start of each GOP.

GO7007IOC_S_BITRATE, GO7007IOC_G_BITRATE

These ioctls are used to set and query the target bitrate value for the compressed video stream. The bitrate may be selected by storing the target bits per second in an int and calling GO7007IOC_S_BITRATE with a pointer to the int. The bitrate may be queried by calling GO7007IOC_G_BITRATE with a pointer to an int where the current bitrate will be stored.

Note that this is the primary means of controlling the video quality for all compression modes, including V4L2_PIX_FMT_MJPEG. The VIDIOC_S_JPEGCOMP ioctl is not supported.

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Installing the WIS PCI Voyager Driver
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The WIS PCI Voyager driver requires several patches to the Linux 2.6.11.x kernel source tree before compiling the driver. These patches update the in-kernel SAA7134 driver to the newest development version and patch bugs in the TDA8290/TDA8275 tuner driver.

The following patches must be downloaded from Gerd Knorr's website and applied in the order listed:

http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner
http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner2
http://dl.bytesex.org/patches/2.6.11-2/v4l2-api-mpeg
http://dl.bytesex.org/patches/2.6.11-2/saa7134-update

The following patches are included with this SDK and can be applied in any order:

patches/2.6.11/saa7134-voyager.diff
patches/2.6.11/tda8275-newaddr.diff
patches/2.6.11/tda8290-ntsc.diff

Check to make sure the CONFIG_VIDEO_SAA7134 option is enabled in the kernel configuration, and build and install the kernel.
After rebooting into the new kernel, the GO7007 driver can be compiled and installed:

```
$ make SAA7134_BUILD=y
$ make install
$ modprobe saa7134-go7007
```

There will be two V4L video devices associated with the PCI Voyager. The first device (most likely /dev/video0) provides access to the raw video capture mode of the SAA7133 device and is used to configure the source video parameters and tune the TV tuner. This device can be used with xawtv or other V4L(2) video software as a standard uncompressed device.

The second device (most likely /dev/video1) provides access to the compression functions of the GO7007. It can be tested using the gorecord application in the apps/ directory of this SDK:

```
$ apps/gorecord -vdevice /dev/video1 -noaudio test.avi
```

Currently the frame resolution is fixed at 720x480 (NTSC) or 720x576 (PAL), and the video standard must be specified to both the raw and the compressed video devices (xawtv and gorecord, for example).

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**RELEASE NOTES FOR WIS GO7007SB LINUX DRIVER**

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Last updated: 5 November 2005

- Release 0.9.7 includes new support for using udev to run fxload. The install script should automatically detect whether the old hotplug scripts or the new udev rules should be used. To force the use of hotplug, run "make install USE_UDEV=n". To force the use of udev, run "make install USE_UDEV=y".

- Motion detection is supported but undocumented. Try the `modet` app for a demonstration of how to use the facility.

- Using USB2.0 devices such as the TV402U with USB1.1 HCDs or hubs can cause buffer overruns and frame drops, even at low framerates, due to inconsistency in the bitrate control mechanism.

- On devices with an SAA7115, including the Plextor ConvertX, video height values of 96, 128, 160, 192, 256, 320, and 384 do not work in NTSC mode. All valid heights up to 512 work correctly in PAL mode.
- The WIS Star Trek and PCI Voyager boards have no support yet for audio or the TV tuner.

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The firmware files "dvb-usb-it9135-01.fw" and "dvb-usb-it9135-02.fw" are for ITEtech it9135 Ax and Bx chip versions.

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single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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(If you think you should be in this list, but you are not, drop a
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FlashPoint Driver Developer's Kit
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStar PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
 * combined, allow nicstar_free_rx_skb to be called to
 * recycle large data buffers
 * 2) skb_clone of received buffers
 * See nicstar_free_rx_skb and linearize_buffer for implementation
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* M. Welsh, 6 July 1996
*
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3.237 lm-sensors 1:3.4.0 :2

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
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  Original author of sensord.
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  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord there to.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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3.242 lsof 4.86+dfsg-1ubuntu2 :1ubuntu2

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3.245 lxml 3.5.0 :1build1

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3.247 make 3.81-8.2ubuntu3

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<signature of Ty Coon>, 1 April 1989
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3.248 make-dfsg 4.1 :6

3.248.1 Available under license:

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Version 2, June 1991

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Version 3, 29 June 2007

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3.249 makedev 2.3.1-93ubuntu1

3.249.1 Available under license:

This package is maintained for Debian by Bdale Garbee, <bdale@gag.com>.

It was downloaded from ftp.redhat.com, as a source .rpm from the 5.1 release.

Copyright:

No explicit copyright is asserted. Nick Holloway is the earliest author recorded in the sourcecode. I queried him for an explicit statement regarding the license status of this work, and this is his reply:

Date: Tue, 21 Jul 1998 19:57:10 +0100
From: Nick Holloway <Nick.Holloway@alfie.demon.co.uk>
Message-Id: <199807211857.TAA19068@alfie.demon.co.uk>
To: Bdale Garbee <bdale@gag.com>
Subject: Re: makedev license?

> I maintain the makedev package for Debian GNU/Linux. I am about to move
> from the ill-fated makedev-1.6 to the makedev-2.3.1 derived from your work
> by the folks at Redhat. I don't see any evidence of a copyright assertion
> or explicit license statement in the source. Your name appears to be the
> earliest attached to the current sourcecode. Am I correct in assuming the
> GPL? We try to be meticulous about having our base system be compliant
> with our Debian Free Software Guidelines, so I'd like an explicit statement.

It was never explicitly released as GPL, as that would have required including the file COPYING which would have been much larger than the actual MADEDEV script (I was also too lazy to find out what incantations needed to be made). However, it is intended to be used as anyone sees fit, and the statement under "Copying Policy" is "Freely Redistributable" (see MADEDEV.lsm from any of the releases I made).

The more recent modifications were done by Michael K. Johnson at Redhat. I think the understanding was that he would be taking over the maintenance of MADEDEV (our discussion took place last September).

The only previous history was (according to an old posting to
comp.os.linux) that I started with Jim Winstead's script.

So, as far as I am concerned, it is consistent with the Debian FSG.

--
`O O' | Home: Nick.Holloway@alfie.demon.co.uk  http://www.alfie.demon.co.uk/
// ^ \ | Work: Nick.Holloway@parallax.co.uk

A complete copy of the GPL is provided on Debian systems in the file /usr/share/common-licenses/GPL.

3.250 man-db 2.6.7.1-1ubuntu1
3.250.1 Available under license:

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Version 2.1, February 1999

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1. At first, contact the maintainer (i.e. send a mail to joey@debian.org, do not cc or bounce a mail, send a plain mail, not copied to any mailing list or the BTS) and ask about the status of the bug you are considering to work on.

2. In this mail include all information relevant for this problem, i.e. include a description of the bug and not only its bug number.

3. If the maintainer is not able or willing to fix the problem or does not respond within four days, continue with step 4.

4. Work on the bug and prepare a patch. Do not upload into the Debian archive.

5. Send the entire patch, together with enough explanations, to the maintainer for reviewing and ask him for permission of an NMU using this patch.

6. IF AND ONLY IF the maintainer approves the patch (or doesn't respond within four days), upload the NMU to the incoming directory and send the patch to the BTS. If the NMU is not approved, go back to 4. or add the NMU to your homepage, but do not upload it to the Debian archive.

7. Properly sized and well-written patches sent to the BTS are always appreciated, even if they are rejected later. They demonstrate a potential solution which could probably improved into a real solution.

8. NEVER change the way a package is maintained in an NMU, i.e. don't remove dh_* stuff or switch to dh_* respectively. This rule
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3.254 mime-support 3.59ubuntu1

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3.255 mlocate 0.26 :1ubuntu1

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Upstream source http://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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-- vile:txtmode fc=72
-- $Id: COPYING,v 1.4 2016/01/02 20:24:37 tom Exp$

3.265 net-snmp 5.7.3+dfsg :1ubuntu4

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SHA224, SHA256, SHA384, and SHA512

Written by Niels Müller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

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RSA

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Whether this is true is especially significant if the work can be
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To: Stephen Frost <sfrost@debian.org>
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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Local-Date: Thu, 05 Jun 2003 16:53:32 -0400
Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)
From: Mark Adamson <adamson@andrew.cmu.edu>
To: Stephen Frost <sfrost@debian.org>
Subject: Re: Mark Adamson license in OpenLDAP source

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-Mark

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After discussing this license with the OpenLDAP Foundation we received clarification on it:
---

* To: Stephen Frost <sfrost@snowman.net>
* Subject: Re: OpenLDAP Licenseing issues
* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>
* Date: Wed, 28 May 2003 10:55:44 -0700
* Cc: Steve Langasek <vorlon@netexpress.net>, debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org
* In-reply-to: <20030528162613.GB8524@ns.snowman.net>
* Message-id: <5.2.0.9.0.20030528094229.02924780@127.0.0.1>
* Old-return-path: <Kurt@OpenLDAP.org>

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Regards, Kurt

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Previous maintainers were Bill Mitchell <mitchell@mdd.comm.mot.com>, Darren Stalder <torin@daft.com>, Adrian Bunk <bunk@fs.tum.de>, Michael Fedrowitz <michaelf@debian.org> and Christoph Berg <myon@debian.org>.


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3.293 patch 2.7.1-4ubuntu2.3
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3.295 pcre3 2:8.38 :3.1
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This is Debian GNU/Linux's prepackaged version of the PCRE regular 
expression library and associated pgrep utility.

This package was put together by me, Mark Baker <mbaker@iee.org> from the
original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/pcre.

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Written by: Philip Hazel
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------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
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jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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cpan/Win32API-File/*
dist/bignum/*
dist/ExtUtils-Install/*
dist/Math-BigInt/*
dist/Math-BigInt-FastCalc/*
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#!/usr/bin/perl -w
use strict;
use Test::More tests => 8;

my $upstream_version;
ok(open(P, "dpkg-parsechangelog "), "successfully piping from dpkg-parsechangelog");
while (<P>) {
    /^


    $upstream_version = $1;
    last;
}
isnt($upstream_version, ", "found upstream version from dpkg-parsechangelog output");
ok(close P, "dpkg-parsechangelog exited normally");

my $checked_version;
ok(open(C, "<debian/copyright"), "successfully opened debian/copyright");
while (<C>) {
    next if !^


    $checked_version = $1;
    last;
}
isnt($checked_version, ", "found checked version from debian/copyright");
close C;

is(Schecked_version, $upstream_version,
    "debian/copyright last checked for the current upstream version");

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Julian Seward, jseward@bzip.org
bzlib/libbzlib version 1.0.6 of 6 September 2010

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.'"
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

# Create test distribution
#-----------------------------------------------#
my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
    "license 'perl' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'perl', "META license will be 'perl'" );
is( $meta->{resources}{license}, "http://dev.perl.org/licenses/",
    "META license URL is correct"
);

}

my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
    "license 'VaporWare' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/",
    "META license URL is correct"
);
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3.300 php5 5.5.9+dfsg :1ubuntu4

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This package was debianized by Gergely Madarasz <gorgo@sztaki.hu> on
Tue, 16 Nov 1999 19:33:42 +0100.

Previous maintainers of the package also include:
Petr Cech <cech@debian.org>, who did a LOT of work on these packages.
Adam Conrad <adconrad@0c3.net>, who got a significant chunk of input and
help from Steve Langasek <vorlon@debian.org> and
Andres Salomon <dilinger@debian.org>.

The current maintainers can be contacted via the debian php packaging list:
pkg-php-maint@lists.alioth.debian.org

It was downloaded from www.php.net/version5/downloads
Changes: removed ext/dbase dir (non-free)

Noteworthy/non-trivial patches:
patch: use_embedded_timezonedb.patch
contributor: Joe Orton <jorton@redhat.com>
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Upstream Authors: The PHP group for PHP5, Andi Gutmans and Zeev Suraski
for libzend

The file ext/standard/rand.c contains the following clause with a statement
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# charset=UTF-8
# vim600: encoding=UTF-8

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

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

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
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of these things:

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

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

c) Accompany the work with a written offer, valid for at
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just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

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

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It is currently maintained by Marco d'Itri <md@linux.it>.
Original sources were obtained from:
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3.306 pppconfig 2.3.19ubuntu1

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pppconfig is a text based utility for configuring ppp.

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3.311 py 1.4.31 :1

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3.312 py2-ipaddress 3.4.1
3.313 pyasn1-modules 0.0.5

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3.314 pycparser 2.10

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3.315 pygobject 3.12.0 :1ubuntu1

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3.316 pyOpenSSL 16.2.0

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3.317 pypa wheel 0.24.0

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3.318 python 2.7.5-5ubuntu3

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Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python’s principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.
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3.323 python-debian 0.1.21 :nmu2ubuntu2

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3.324 python-defaults 2.7.11 :1
A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnr.rieston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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the various releases.

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==========================

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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* Detect unordered_map in stl_hash.m4.

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* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
* Added generation of field number constants.

Wink Saville <wink@google.com>
* Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>
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* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

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* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

Alexander Melnikov <alm@sibmail.ru>
* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>
* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.

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Kacper Kowalik <xarthisius.kk@gmail.com>
* Fixed m4/acx_pthread.m4 problem for some Linux distributions.

William Orr <will@worrbase.com>
* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris.

Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xIC compiler build issues
* Added atomicops for AIX (POWER)

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3.334 python-pycparser 2.17

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3.342 python-urllib3 1.7.1 :1ubuntu4

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Upstream-Name: urllib3
Upstream-Contact: Andrey Petrov <andrey.petrov@shazow.net>
Source: http://pypi.python.org/pypi/urllib3

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* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
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* georgemarshall <http://github.com/georgemarshall>
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* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
* Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
* IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
* Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
* Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
* Support for TLS SNI
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* SSL fingerprint and alternative hostname verification
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* Fixed a race condition

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* Stephen Holsapple <sholsapp@gmail.com>
* Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
* Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
* Support for separate connect and request timeouts

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- **Upstream-Name:** urllib3
- **Upstream-Contact:** Andrey Petrov <andrey.petrov@shazow.net>
- **Source:** [http://pypi.python.org/pypi/urllib3](http://pypi.python.org/pypi/urllib3)

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  * HTTPS patch (which inspired HTTPSConnectionPool)

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  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)
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* Better unicode support for filepost using StringIO buffers

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  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs
* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graftatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Jon Wayne Parrott <jonwayne@google.com>
  * App Engine environment tests.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with ‘cryptography’ dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
* Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
* IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
* Fix low-level exceptions leaking from `HttpResponse.stream()`.

* Predrag Gruevski <https://github.com/obi1kenobi>
* Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
* Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
* Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
* Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
* Bugfix related to reusing connections in indeterminate states.

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Mersenne Twister
----------------

The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and
`getnameinfo', which are coded in separate source files from the WIDE

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Floating point exception control
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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with python standard
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3.346 python3-defaults 3.5.1 :3

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3.348 python3.4 3.4.3 :1ubuntu1~14.04.3

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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python’s
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
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All Python releases are Open Source (see http://www.opensource.org for
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
----------------

The `_random` module includes code based on a download from `http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html`. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between asci and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with python standard
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In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister
------------
The `_random' module includes code based on a download from 'http://www.math.keio.ac.jp/~matumoto/MT2002/emt19937ar.html'. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.keio.ac.jp/matumoto/emt.html
email: matumoto@math.keio.ac.jp

Sockets
-------
The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with python standard

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3.356 rename 0.20 :4

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Upstream-Contact: Robin Barker <RMBarker@cpan.org>
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### 3.357 requests 2.12.4

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3.365 sed 4.2.2 :4ubuntu1
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============= Test 1.1:101 =============
Testing argument parsing
First type
e1_l1_1
e1_l1_1
e1_l1_2
e1_l1_2
e1_l1_3
e1_l1_3
e1_l1_4
e1_l1_4
e1_l1_5
e1_l1_5
e1_l1_6
e1_l1_6
e1_l1_7
e1_l1_7
e1_l1_8
e1_l1_8
e1_l1_9
e1_l1_9
e1_l1_10
e1_l1_10
e1_l1_11
e1_l1_11
e1_l1_12
e1_l1_12
e1_l1_13
e1_l1_13
e1_l1_14
e1_l1_14

============= Test 1.2:102 =============
e1_l1_1
e1_l1_2

Test 1.3:103

Test 1.4:104
Second type

============= Test 1.4.1:105 ===============
1_1_1
1_1_2
1_1_3
1_1_4
1_1_5
1_1_6
1_1_7
1_1_8
1_1_9
1_1_10
1_1_11
1_1_12
1_1_13
1_1_14

============= Test 1.5:106 ===============
s1_1_1
s1_1_1
s1_1_2
s1_1_2
s1_1_3
s1_1_3
s1_1_4
s1_1_4
s1_1_5
s1_1_5
s1_1_6
s1_1_6
s1_l1_7
s1_l1_7
s1_l1_8
s1_l1_8
s1_l1_9
s1_l1_9
s1_l1_10
s1_l1_10
s1_l1_11
s1_l1_11
s1_l1_12
s1_l1_12
s1_l1_13
s1_l1_13
s1_l1_14
s1_l1_14

==========
Test 1.6:107
==========
s1_l1_1
s1_l1_1
s1_l1_2
s1_l1_2
s1_l1_3
s1_l1_3
s1_l1_4
s1_l1_4
s1_l1_5
s1_l1_5
s1_l1_6
s1_l1_6
s1_l1_7
s1_l1_7
s1_l1_8
s1_l1_8
s1_l1_9
s1_l1_9
s1_l1_10
s1_l1_10
s1_l1_11
s1_l1_11
s1_l1_12
s1_l1_12
s1_l1_13
s1_l1_13
s1_l1_14
s1_l1_14
Test 1.7:108
------------
e1_l1_1
e1_l1_1
e1_l1_2
e1_l1_2
e1_l1_3
e1_l1_3
e1_l1_4
e1_l1_4
e1_l1_5
e1_l1_5
e1_l1_6
e1_l1_6
e1_l1_7
e1_l1_7
e1_l1_8
e1_l1_8
------------
Test 1.8:109
------------
e1_l1_1
e1_l1_1
e1_l1_2
e1_l1_2
e1_l1_3
e1_l1_3
e1_l1_4
e1_l1_4
e1_l1_5
e1_l1_5
e1_l1_6
Test 1.9:110

Test 1.10:111
Test 1.11:112

Test 1.12:113

Test 1.13:114
s1_11_3
s2_s1_11_3
s2_s1_11_3
s1_11_4
s2_s1_11_4
s2_s1_11_4
s1_11_5
s2_s1_11_5
s2_s1_11_5
s1_11_6
s2_s1_11_6
s2_s1_11_6
s1_11_7
s2_s1_11_7
s2_s1_11_7
s1_11_8
s2_s1_11_8
s2_s1_11_8
s1_11_9
s2_s1_11_9
s2_s1_11_9
s1_11_10
s2_s1_11_10
s2_s1_11_10
s1_11_11
s2_s1_11_11
s2_s1_11_11
s1_11_12
s2_s1_11_12
s2_s1_11_12
s1_11_13
s2_s1_11_13
s2_s1_11_13
s1_11_14
s2_s1_11_14
s2_s1_11_14

==============
Test 1.15:116
==============
e1_11_1
s1_e1_11_1
s1_e1_11_1
e1_11_2
s1_e1_11_2
s1_e1_11_2
e1_11_3
s1_e1_11_3
s1_e1_l1_3
e1_l1_4
s1_e1_l1_4
s1_e1_l1_4
e1_l1_5
s1_e1_l1_5
s1_e1_l1_5
e1_l1_6
s1_e1_l1_6
s1_e1_l1_6
e1_l1_7
s1_e1_l1_7
s1_e1_l1_7
e1_l1_8
s1_e1_l1_8
s1_e1_l1_8
e1_l1_9
s1_e1_l1_9
s1_e1_l1_9
e1_l1_10
s1_e1_l1_10
s1_e1_l1_10
e1_l1_11
s1_e1_l1_11
s1_e1_l1_11
e1_l1_12
s1_e1_l1_12
s1_e1_l1_12
e1_l1_13
s1_e1_l1_13
s1_e1_l1_13
e1_l1_14
s1_e1_l1_14
s1_e1_l1_14

============= Test 1.16:117 =============
e1_l1_1
e1_l1_1
e1_l1_2
e1_l1_2
e1_l1_3
e1_l1_3
e1_l1_4
e1_l1_4
e1_l1_5
e1_l1_5
Test 1.17:118

===========
11_1
11_1
11_2
11_2
11_3
11_3
11_4
11_4
11_5
11_5
11_6
11_6
11_7
11_7
11_8
11_8
11_9
11_9
11_10
11_10
11_11
11_11
11_12
11_12
11_13
11_13
11_14
11_14

===========
Test 1.18:119

===========
11_1
11_2
11_3
11_4
11_5
11_6
11_7
11_8
11_9
11_10
11_11
11_12
11_13
11_14
Testing address ranges

Test 2.1:120
11_4

Test 2.2:121
12_6

Test 2.3:122
11_14

Test 2.4:123
12_9

Test 2.5:124

Test 2.6:125
12_9

Test 2.7:126

Test 2.9:127
11_7

Test 2.10:128
11_7

Test 2.11:129
11_7

--------------
Test 2.12:130
--------------
11_1
11_2
11_3
11_4

--------------
Test 2.13:131
--------------
11_1
11_2
11_3
11_4
11_5
11_6
11_7
11_8
11_9
11_10
11_11
11_12
11_13
11_14
12_1
12_2
12_3
12_4
12_5
12_6
12_7
12_8
12_9

--------------
Test 2.14:132
--------------
11_1
11_2
11_3
11_4
11_5
11_6
11_7
11_8
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Test 2.15:133

==============

Test 2.16:134

==============
Test 3.4:142

Testing a c d and i commands

Test 4.1:143
before_il1_7
after_ibefore_il1_7
before_il1_8
after_ibefore_il1_8
before_il1_9
after_ibefore_il1_9
before_il1_10
after_ibefore_il1_10
before_il1_11
after_ibefore_il1_11
before_il1_12
after_ibefore_il1_12
before_il1_13
after_ibefore_il1_13
before_il1_14
after_ibefore_il1_14
before_il2_1
after_ibefore_il2_1
before_il2_2
after_ibefore_il2_2
before_il2_3
after_ibefore_il2_3
before_il2_4
after_ibefore_il2_4
before_il2_5
after_ibefore_il2_5
before_il2_6
inserted
after_ibefore_il2_6
before_il2_7
after_ibefore_il2_7
before_il2_8
after_ibefore_il2_8
before_il2_9
after_ibefore_il2_9

============
Test 4.2:144
============
before_al1_1
after_abefore_al1_1
before_al1_2
after_abefore_al1_2
before_al1_3
after_abefore_al1_3
before_al1_4
after_abefore_al1_4
before_a5-1211_5
after_abefore_a5-12l1_5
appended
before_a5-12l1_6
after_abefore_a5-12l1_6
appended
before_a5-12l1_7
after_abefore_a5-12l1_7
appended
before_a5-12l1_8
after_abefore_a5-12l1_8
appended
before_a5-12l1_9
after_abefore_a5-12l1_9
appended
before_a5-12l1_10
after_abefore_a5-12l1_10
appended
before_a5-12l1_11
after_abefore_a5-12l1_11
appended
before_a5-12l1_12
after_abefore_a5-12l1_12
appended
before_al1_13
after_abefore_al1_13
before_al1_14
after_abefore_al1_14
before_al2_1
after_abefore_al2_1
before_al2_2
after_abefore_al2_2
before_al2_3
after_abefore_al2_3
before_al2_4
after_abefore_al2_4
before_al2_5
after_abefore_al2_5
before_al2_6
after_abefore_al2_6
before_al2_7
after_abefore_al2_7
before_al2_8
after_abefore_al2_8
before_al2_9
after_abefore_al2_9

============

Test 4.3:145
hello
hello
hello
hello
hello
hello
hello
hello
hello
hello
hello

====================
Test 4.5:147
====================
hello

====================
Test 4.6:148
====================
hello

====================
Test 4.7:149
====================
hello

====================
Test 4.8:150
====================
Testing labels and branching
Test 5.1:151

Test 5.2:152

Test 5.3:153
Test 5.4:154

Test 5.5:155

Test 5.6:156

Test 5.7:157
Test 5.8:158

m1_1
m1_2
m1_3
m1_4
m1_5
m1_6
m1_7
m1_8
m1_9
m1_10
m1_11
m1_12
m1_13
m1_14

Pattern space commands

Test 6.1:159

changed
changed
changed
changed
changed
changed
changed
changed
changed
changed
changed
changed

Test 6.2:160

11_1
11_2
11_3
Test 6.5:163

Test 6.6:164

Testing print and file routines

Test 7.1:165

Test 7.2:166
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Test 7.3:167

w results
Testing substitution commands
Test 8.2:173
=============

Test 8.3:174
=============

Test 8.4:175
=============

11_1
11_2
11_3
11_4
11_5
11_6
11_7
11_8
11_9
11_10
11_11
11_12
11_13
11_14

==========
Test 8.5:176
==========
11X1
11X2
11X3
11X4
11X5
11X6
11X7
11X8
11X9
11X10
11X11
11X12
11X13
11X14

==========
Test 8.6:177
==========
(l)(1)(_)(1)
(l)(1)(_)(2)
(l)(1)(_)(3)
(l)(1)(_)(4)
(l)(1)(_)(5)
(l)(1)(_)(6)
(l)(1)(_)(7)
(l)(1)(_)(8)
(l)(1)(_)(9)
(l)(1)(_)(1)(0)
(l)(1)(_)(1)(1)
(l)(1)(_)(1)(2)
(l)(1)(_)(1)(3)
(l)(1)(_)(1)(4)

==========
Test 8.7:178
==========
(&)(&)(&)(&)
(&)(&)(&)(&)

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Test 8.8:179

x_x1xl1
x_x1xl2
x_x1xl3
x_x1xl4
x_x1xl5
x_x1xl6
x_x1xl7
x_x1xl8
x_x1xl9
x_x1xl10
x_x1xl11
x_x1xl12
x_x1xl13
x_x1xl14

Test 8.9:180

11u0
u1
u21
11u0
u1
u22
11u0
u1
u23
11u0
u1
u24
11u0
u1
Test 8.11:182
=============
IX_1
IX_2
IX_3
IX_4
IX_5
IX_6
IX_7
IX_8
IX_9
IX_10
IX_11
IX_12
IX_13
IX_14
s wfile results
IX_1
IX_2
IX_3
IX_4
IX_5
IX_6
IX_7
IX_8
IX_9
IX_10
IX_11
IX_12
IX_13
IX_14

=============
Test 8.12:183
=============
IX_X
IX_X
IX_X
IX_4
IX_5
IX_6
IX_7
IX_8
IX_9
IX_X0
IX_XX
IX_XX
IX_XX
IX_X4

______________
Test 8.13:184
______________
18_8
18_7
18_6
18_5
18_4
18_3
18_2
18_1
18_0
18_89
18_88
18_87
18_86
18_85

______________
Test 8.14:185
______________
18_8
18_7
18_6
18_5
18_4
18_3
18_2
18_1
18_0
18_89
18_88
18_87
18_86
18_85

______________
Test 8.15:186
______________
11_1X11_2
11_3
11_4
11_5
11_6
11_7
11_8
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3.371 six 1.5.2-1 :1
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3.372 six 1.10.0 :3

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3.374 sqlite3 3.11.0 :1ubuntu1

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3.375 ssh-import-id 5.5 :0ubuntu1
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Ackeret, Matt
Adler, Mark
Allbery, Russ
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
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Bowes, Keith
Boyce, Keith Garry
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Todd, Giles 
Toft, Martin 
Torek, Chris 
Tucker, Darren 
Uhl, Robert 
Uzel, Petr
The following people have worked to translate sudo into other languages:

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- Bogusz, Jakub
- Casagrande, Milo
- Castro, Felipe
- Chornoivan, Yuri
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- Ferreira, Rafael
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- Hamasaki, Takeshi
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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
* public domain.
This package contains the scripts that are executed at start and shutdown of Debian systems.

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It works through managing symlinks in /etc/rc?.d

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3.384 tar 1.28 :2.1

3.384.1 Available under license:

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This package is maintained for Debian by Bdale Garbee <bdale@gag.com>, and was built from the sources found at:

More recently, I'm directly using the upstream source repository at

http://git.savannah.gnu.org/cgit/tar.git

GNU tar is


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Version 3, 29 June 2007

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3.389 tox 2.5.0

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3.394 tzdata 2016h :0ubuntu0.16.04

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**3.400 ustr 1.0.4 :3ubuntu2**

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Initialize empty image
f1c965dcb14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067c18f2cf9 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418ddd73f bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device  Boot Start  End  Sectors  Size Id  Type
<removed>1  2048  4095  2048  1M  83 Linux
<removed>2  4096 20479 16384  8M a5 FreeBSD

-------------------
Create default BSD
2e1cee529eb59c9341afe0443f196a1 bsd.img

---layout--------
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice  Start  End Sectors  Size Type  Fsize Bsize Cpg
  c  4096 20479  16384  8M unused   0   0   0
  d   0 16064  16065  7.9M unused   0   0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------
Welcome to fdisk <removed>.  
Changes will remain in memory only, until you decide to write them.  
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
a      4096  6144    2049    1M 4.2BSD       0     0   0
b      4096 10240   16384    8M unused       0     0   0
d      0 16064   16065  7.9M unused       0     0   0
Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help): 

-------------------
Changes will remain in memory only, until you decide to write them.  
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):
0  unused     5  4.1BSD     9  4.4LFS     d  boot
1  swap      6  Eighth Edition  a  unknown   e  ADOS
2  Version 6     7  4.2BSD   b  HPFS     f  HFS
3  Version 7      8  MS-DOS    c  ISO-9660 10  AdvFS
4  System V

Command (m for help):

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---layout--------
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<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

The hypothetical commands `show w' and `show c' should show the appropriate
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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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3.403 vim 2:7.4.1689 :3ubuntu1.1
3.403.1 Available under license :

This is the Debian pre-packaged version of vim. Vim is an almost compatible
version of the UNIX editor Vi. Many new features have been added: multi level
undo, syntax highlighting, command line history, on-line help, filename
completion, block operations, etc.

This package was put together by Wichert Akkerman <wakkerma@debian.org> from
is Debian VIM Maintainers <pkg-vim-maintainers@lists.alioth.debian.org>.

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*uganda.txt*       For Vim version 7.4.  Last change: 2013 Jul 06

VIM REFERENCE MANUAL   by Bram Moolenaar

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SUMMARY
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Vim is Charityware. You can use and copy it as much as you like, but you are
couraged to make a donation for needy children in Uganda. Please see [kcc]
below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for
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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change
anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

==============================================================================
Kibaale Children's Centre*kkc* *Kibaale*  *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a
production site for cement slabs. These are used to build a good latrine. 
They are sold below cost price.

There is a small clinic at the project, which provides children and their 
family with medical help. When needed, transport to a hospital is offered. 
Immunization programs are carried out and help is provided when an epidemic is 
breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a 
volunteer. I have helped to expand the centre and worked in the area of water 
and sanitation. I learned that the help that the KCC provides really helps. 
When I came back to Holland, I wanted to continue supporting KCC. To do this 
I'm raising funds and organizing the sponsorship program. Please consider one 
of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are 
very low. This is because the money goes directly to the centre. Less than 
5% is used for administration. This is possible because this is a small 
organization that works with volunteers. If you would like to sponsor a 
child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my 
personal guarantee as the author of Vim. I trust the people that are working 
at the centre, I know them personally. Furthermore, the centre has been 
co-sponsored and inspected by World Vision, Save the Children Fund and is now 
under the supervision of Pacific Academy Outreach Society. The centre is 
visited about once a year to check the progress (at our own cost). I have 
visited the centre myself many times, starting in 1993. The visit reports are 
on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA:The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt. For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is
preferred.

Others: Transfer to one of these accounts if possible:
    Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
    If that doesn't work:
Swift code: RABO NL 2U
IBAN: NL95 INGB 0004 5487 74
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

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3.405 wget 1.15-1ubuntu1

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3.417 zlib 1.2.8 :1ubuntu1

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3.419 zope.interface 4.0.5

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4.22 @tdm/data 1.1.0-alpha.0

4.23 @tdm/ngx-dynamic-forms 1.1.0-alpha.3

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4.36 ansible 2.0.0.2-2

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This package was debianized by Henry Graham (hzgraham) <Henry.Graham@mail.wvu.edu> on Tue, 17 Apr 2012 12:19:47 -0400.

It was downloaded from https://github.com/ansible/ansible.git

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4.38 bootstrap 4.0.0

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4.40 CIDRUtils 2/26/2013

4.41 collectd 5.8.0

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4.46 corosync 2.3.3 :1ubuntu1

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It was downloaded from http://corosync.org

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4.52 dialog 1.2-20130928 :1

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Current dialog upstream maintainer: Thomas Dickey <dickey@invisible-island.net>

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That's all there is to it!
This is the Debian prepackaged version of Savio Lam's dialog utility.
This program enables the presentation of a variety of questions
or display messages using dialog boxes from a shell script. This release
is currently maintained by Thomas Dickey <dickey@invisible-island.net>

This Debian package was first created by Leland Lucius <llucius@debian.org>.

The source for this release was obtained from:

ftp://invisible-island.net/dialog/dialog-1.2-20130928.tgz

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Written by: Don Libes, libes at nist.gov, NIST

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*
* Beware that some of this code is subtly aware of the way operator
* precedence is structured in regular expressions. Serious changes in
* regular-expression syntax might require a total rethink.
*
* *** NOTE: this code has been altered slightly for use in Tcl. ***
* *** The only change is to use ckalloc and ckfree instead of    ***
* *** malloc and free. ***
*
* *** and again for Expect!!! - DEL
*
* *** More minor corrections stolen from tcl7.5p1/regexp.c - DEL
*
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Revision: 5215b55f46b2b919f50a1df0eaa5886afe4e3b3d
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Dependency: github.com/go-sql-driver/mysql
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Dependency: github.com/golang/snappy
Version:
Revision: d9eb7a3d355c988b8585d4a0068e462c27d28380
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Dependency: github.com/hashicorp/go-cleanhttp
Version:
Revision: ad28ea4487f05916463e2423a55166280e8254b5
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Dependency: github.com/klauspost/cpuid
Version: v1.0
Revision:
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Version:
Revision: 5d001d020961ae1c1e184f9f8152f0dc73810481677
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mgo - MongoDB driver for Go

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mgo - MongoDB driver for Go

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Version:
Revision: 3a873e99f5400ad7706e464e905ffcc94b3ff247
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Dependency: github.com/davecgh/go-spew
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Revision: 5215b55f46b2b919f50a1df0eaa5886afe4e3b3d
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Version: e30f1e79f3cd72542f2026ceec18d3bd67ab859c
License type (autodetected): Apache-2.0

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Version: 499693e27ee0d14ffab67c31ad065fdbh3d34ea75
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Version: v0.1.0
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Dependency: github.com/fsouza/go-dockerclient
Version:
Revision: e085edda407c05214cc6e71e4881de47667e77ec
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Version: v1.0.0
Revision:
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Dependency: github.com/go-sql-driver/mysql
Version:
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Dependency: github.com/hashicorp/go-cleanhttp
Version:
Revision: ad28ea4487f05916463e2423a55166280e8254b5
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Version: 5c9560bfa9ace2bf86080bf40d46b34ae44604df
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Revision: 792786c7400a136282c1664665ae0a8db921c6c2
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4.73 jta 1.1

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4.74 lodash-es 4.17.4

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4.75 Log4j 1.2.15

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4.76 logstash-output-syslog 3.0.3

4.77 LWP (perl) 6.15

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4.78 ncclient 0.4.7

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4.80 ng-password-strength 0.3.0

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4.81 nginx 1.14.0

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4.82 ngrx-domains 1.0.0-alpha.4

4.83 ngrx-store-freeze 0.1.9

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4.84 ngx-form-errors 1.0.1

4.85 ngx-ip 1.1.2

4.86 ngx-routable 1.0.0-alpha.3

4.87 NodeJS 8.11.3-1nodesource1

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int setresuid(uid_t uid_t, uid_t uid_t);
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 */
/*

OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#endif /* !_COMPAT_POLL_H_ */

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020

#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);

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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) (_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

4.92 OpenSSL 1.0.2o

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4.96 perl-MIME-Base64 3.15

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4.98 python-configparser 3.3.0r2-2

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### 4.99 python-six 1.9.0

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### 4.100 pyvmomi 6.5.0.2017.5 :1

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```python
.. _int: https://docs.python.org/2/library/stdtypes.html

.. _str: https://docs.python.org/2/library/stdtypes.html

.. _bool: https://docs.python.org/2/library/stdtypes.html

.. _vmodl.DynamicData: ../../vmodl/DynamicData.rst
```
vim.AuthorizationManager.Permission

This data object type provides assignment of some role access to a principal on a specific entity. A ManagedEntity is limited to one permission per principal.

Attributes:

entity (`vim.ManagedEntity`_, optional):

Managed entity the permission is defined on. Left unset when calling setPermissions or resetPermissions, but present for the results of permission queries.

principal (`str`_):

User or group receiving access in the form of "login" for local or "DOMAIN\login" for users in a Windows domain.

group (`bool`_):

Whether principal refers to a user or a group. True for a group and false for a user.

roleId (`int`_):

Reference to the role providing the access.

propagate (`bool`_):

Whether or not this permission propagates down the hierarchy to sub-entities.

vim.fault.InvalidLicense

Thrown when an attempt is made to upload license content that is invalid.

Attributes:

licenseContent (`str`_)

Translated from the original text.
A VramLimitLicense fault is thrown if executing an operation would result in exceeding maximum allowed vRAM amount. For example, this could happen when powering on a VM, hot-plugging memory into a running VM, etc.

Attributes:

```
limit ('int' )
```

```
__int: https://docs.python.org/2/library/stdtypes.html
```

```
__vmodl.fault.NotEnoughLicenses: ./vmodl/fault/NotEnoughLicenses.rst
```

A VmLimitLicense fault is thrown if powering on the virtual machine would exceed the maximum number of running virtual machines allowed.

Attributes:

```
limit ('int' )
```

```
__int: https://docs.python.org/2/library/stdtypes.html
```

```
__str: https://docs.python.org/2/library/stdtypes.html
```

```
__datetime: https://docs.python.org/2/library/stdtypes.html
```

```
__vmodl.fault.NotEnoughLicenses: ./vmodl/fault/NotEnoughLicenses.rst
```

An ExpiredFeatureLicense fault is thrown if an attempt to acquire an Addon license 'feature failed for count 'count'.

Attributes:
feature (_str_)

count (_int_)

expirationDate (_datetime_)

.. _vim.fault.ExpiredFeatureLicense:

```
vim.fault.ExpiredAddonLicense
```

:extends:

`vim.fault.ExpiredFeatureLicense`

An ExpiredAddonLicense fault is thrown if an attempt to acquire an Addon license 'feature failed for count 'count'.

Attributes:

.. _str:

https://docs.python.org/2/library/stdtypes.html

.. _vim.fault.ExpiredAddonLicense:

```
vim.fault.ExpiredEditionLicense
```

:extends:

`vim.fault.ExpiredFeatureLicense`

An ExpiredEditionLicense fault is thrown if an attempt to acquire an Edition license 'feature failed for count 'count'.

Attributes:

feature (_str_)

.. _vim.fault.ExpiredEditionLicense:

```
vim.fault.InvalidEditionLicense
```

:extends:

`vim.fault.ExpiredEditionLicense`

An ExpiredEditionLicense fault is thrown if an attempt to acquire an Edition license 'feature failed for count 'count'.

Attributes:

.. _str:

https://docs.python.org/2/library/stdtypes.html

.. _vim.fault.ExpiredEditionLicense:
vim.LicenseManager.LocalLicense
==================================
Specify license key data to store locally.
:extends: vim.LicenseManager.LicenseSource_

Attributes:
   licenseKeys (`str`):

   The size of this string is implementation dependent. It must contain ASCII or ISO Latin-1 characters only.
   .. _long: https://docs.python.org/2/library/stdtypes.html
   .. _VI API 2.5: ../../vim/version.rst#vimversionversion2
   .. _vim.LicenseManager.LicenseSource: ../../vim/LicenseManager/LicenseSource.rst

vim.LicenseManager.EvaluationLicense
====================================
Specify an evaluation license source. Feature licensing is not required while the remaining hours is greater than zero.
:extends: vim.LicenseManager.LicenseSource_
:since: `VI API 2.5`_

Attributes:
   remainingHours (`long`, optional):

   The number of remaining hours before product evaluation expires
   .. _vmodl.RuntimeFault: ../../vmodl/RuntimeFault.rst

vmodl.fault.NotEnoughLicenses
==================================
:extends:
   `vmodl.RuntimeFault`_

A NotEnoughLicensesFault occurs when an operation fails because there are not enough licenses installed.

Attributes:
   pyVmomi
   ======

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4.101 quick-json 1.0.2.3

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4.108 Springframework 3.0.4

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4.109 sshpass 1.05-1

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4.111 String::Util 1.23

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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4.118 vinyl 0.5.1

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4.121 yavijava 6.0.03
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4.122 zone.js 0.8.18
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