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Contents

1.1 akka-actor_2.11 2.4.2
1.1.1 Available under license
1.2 akka-persistence_2.11 2.4.2
1.2.1 Available under license
1.3 akka-protobuf_2.11 2.4.2
1.3.1 Available under license
1.4 akka-slf4j_2.11 2.4.2
1.4.1 Available under license
1.5 akka-stream_2.11 2.4.2
1.5.1 Available under license
1.6 aopalliance-repackaged 2.2.0
1.6.1 Available under license
1.7 Apache Commons BeanUtils 1.9.2
1.7.1 Available under license
1.8 Apache Commons Lang3 3.1
1.8.1 Available under license
1.9 Apache CXF API 2.7.3

1.9.1 Available under license
1.10 Apache CXF Runtime Core 2.7.3
1.10.1 Available under license
1.11 Apache CXF Runtime HTTP Transport 2.7.3
1.11.1 Available under license
1.12 Apache CXF Runtime JAX-RS Frontend 2.7.3
1.12.1 Available under license
1.13 Apache CXF Runtime XML Binding 2.7.3
1.13.1 Available under license
1.14 Apache Xalan 2.7.0
1.14.1 Available under license
1.15 armadillo 4.600.4
1.15.1 Available under license
1.16 arpack-ng 3.1.5 :2
1.16.1 Available under license
1.17 bcprov-jdk15on 1.52
1.18 boost-numeric-bindings 20081116
1.18.1 Available under license
1.19 boost1.54 1.54.0-4ubuntu3.1 :4ubuntu3.1
1.19.1 Available under license
1.20 Bouncy Castle Provider 1.46
1.20.1 Available under license
1.21 breeze-macros_2.11 0.12
1.21.1 Available under license
1.22 breeze-natives_2.11 0.12
1.22.1 Available under license
1.23 breeze_2.11 0.12
1.23.1 Available under license
1.24 Caffeine cache 2.1.0
1.24.1 Available under license
1.25 Commons Collections 3.2.1
1.25.1 Available under license
1.26 Commons Logging 1.1.1
1.26.1 Available under license
1.27 Commons Logging 1.2
1.27.1 Available under license
1.28 commons-codec 1.3
1.28.1 Available under license
1.29 commons-codec 1.9

1.29.1 Available under license
1.30 commons-io 1.3.2
1.30.1 Available under license
1.31 commons-lang 2.6
1.31.1 Available under license
1.32 commons-lang3 3.4 :3.4
1.32.1 Available under license
1.33 commons-math3 3.2
1.33.1 Available under license
1.34 concurrentlinkedhashmap 1.4.2
1.34.1 Available under license
1.35 config 1.3.0
1.35.1 Available under license
1.36 cryptacular 1.1.0
1.36.1 Available under license
1.37 d3 3.5.9
1.37.1 Available under license
1.38 Data Mapper for Jackson 1.9.13 :ASL License
1.38.1 Available under license
1.39 FileSaver.js babc6d9 :2015-05-07.2
1.39.1 Available under license
1.40 FindBugs-jsr305 2.0.1
1.40.1 Available under license
1.41 flyway-core 4.0
1.41.1 Available under license
1.42 folly 0.26.0
1.42.1 Available under license
1.43 fontawesome 4.2.0
1.43.1 Available under license
1.44 Fortran to Java ARPACK 0.1
1.44.1 Available under license
1.45 geronimo-javamail-1.4-spec 1.7.1
1.45.1 Available under license
1.46 google-http-client 1.21.0
1.46.1 Available under license
1.47 guava 15.0
1.47.1 Available under license
1.48 HikariCP-java6 2.3.7
1.48.1 Available under license

1.49 hk2-api 2.2.0
1.49.1 Available under license
1.50 hk2-locator 2.2.0
1.50.1 Available under license
1.51 hk2-utils 2.2.0
1.51.1 Available under license
1.52 HttpClient 4.0.1 :GA
1.52.1 Available under license
1.53 HttpClient 4.2.5
1.53.1 Available under license
1.54 HttpClient 4.4.1
1.54.1 Available under license
1.55 HttpCore 4.0.1 :GA
1.55.1 Available under license
1.56 HttpCore 4.4.1
1.56.1 Available under license
1.57 HttpCore 4.2.4
1.57.1 Available under license
1.58 interact.js 1.2.4
1.58.1 Available under license
1.59 Jackson-annotations 2.5.0
1.59.1 Available under license
1.60 jackson-annotations 2.7.1
1.60.1 Available under license
1.61 jackson-core 2.7.1
1.61.1 Available under license
1.62 Jackson-core 2.5.3
1.62.1 Available under license
1.63 jackson-core-asl 1.9.13
1.63.1 Available under license
1.64 jackson-databind 2.7.1
1.64.1 Available under license
1.65 jackson-databind 2.5.3
1.65.1 Available under license
1.66 jackson-dataformat-yaml 2.5.4
1.66.1 Available under license
1.67 jackson-jaxrs-base 2.4.1
1.67.1 Available under license
1.68 jackson-jaxrs-json-provider 2.4.1

1.68.1 Available under license
1.69 Jackson-module-JAXB-annotations 2.4.3
1.69.1 Available under license
1.70 Jackson-module-JAXB-annotations 2.4.1
1.70.1 Available under license
1.71 jackson-module-jsonSchema 2.4.1
1.71.1 Available under license
1.72 jackson-module-scala_2.11 2.4.1
1.72.1 Available under license
1.73 Java Architecture for XML Binding 2.2.7
1.73.1 Available under license
1.74 JavaBeans Activation Framework (JAF) 1.1
1.74.1 Available under license
1.75 JavaMail API 1.5.4
1.75.1 Available under license
1.76 Javassist 3.19.0-GA
1.76.1 Available under license
1.77 javassist 3.18.1-GA
1.77.1 Available under license
1.78 javax.annotation API 1.2
1.78.1 Available under license
1.79 javax.inject 2.2.0
1.79.1 Available under license
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1.80.1 Available under license
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1.81.1 Available under license
1.82 javax.ws.rs-api 2.0-m10
1.82.1 Available under license
1.83 javax.ws.rs-api 2.0
1.83.1 Available under license
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1.84.1 Available under license
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1.85.1 Available under license
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1.87.1 Available under license

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1.88.1 Available under license
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1.90.1 Available under license
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1.91.1 Available under license
1.92 jersey-entity-filtering 2.7
1.92.1 Available under license
1.93 jersey-media-moxy 2.7
1.93.1 Available under license
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1.94.1 Available under license
1.95 jersey-server 2.7
1.95.1 Available under license
1.96 jettison 1.3
1.96.1 Available under license
1.97 jetty-continuation 9.1.1.v20140108
1.97.1 Available under license
1.98 jetty-http 9.2.3.v20140905
1.98.1 Available under license
1.99 jetty-io 9.2.3.v20140905
1.99.1 Available under license
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1.100.1 Available under license
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1.101.1 Available under license
1.102 jetty-servlet 9.2.3.v20140905
1.102.1 Available under license
1.103 jetty-util 9.2.3.v20140905
1.104 JniLoader 1.1
1.104.1 Available under license
1.105 joda-convert 1.7
1.105.1 Available under license
1.106 joda-time 2.7
1.106.1 Available under license
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1.107.1 Available under license

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1.108.1 Available under license
1.109 JSON in Java 20131018
1.110 json4s-ast_2.11 3.2.11
1.110.1 Available under license
1.111 json4s-core_2.11 3.2.11
1.111.1 Available under license
1.112 json4s-ext_2.11 3.2.11
1.112.1 Available under license
1.113 json4s-jackson_2.11 3.2.11
1.113.1 Available under license
1.114 json4s-native_2.11 3.2.11
1.114.1 Available under license
1.115 jsr311-api 1.1.1
1.115.1 Available under license
1.116 JTransforms 2.4.0
1.116.1 Available under license
1.117 jul-to-slf4j 1.7.2
1.117.1 Available under license
1.118 Junit 4.8.2
1.118.1 Available under license
1.119 jxmpp-core 0.4.1
1.119.1 Available under license
1.120 jxmpp-util-cache 0.4.1
1.120.1 Available under license
1.121 knockout 3.2.0
1.121.1 Available under license
1.122 landscape-client 14.12 :0ubuntu0.14.04
1.122.1 Available under license
1.123 lapack 3.5.0 :2ubuntu1
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1.125.1 Available under license
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1.126.1 Available under license
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1.127.1 Available under license

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1.129.1 Available under license
1.130 log4j-over-slf4j 1.7.2
1.130.1 Available under license
1.131 log4j-rolling-appender 20131024-2017
1.131.1 Available under license
1.132 logback 1.1.3
1.132.1 Available under license
1.133 MaxMind DB Reader 1.0.1
1.133.1 Available under license
1.134 MaxMind GeoIP2 API 2.4.0
1.134.1 Available under license
1.135 maxmind-geoip2 2.3.1
1.135.1 Available under license
1.136 miglayout 3.5.5
1.136.1 Available under license
1.137 mimepull 1.9.5
1.137.1 Available under license
1.138 mlpack 2.0.1
1.138.1 Available under license
1.139 moment-timezone 0.4.1
1.139.1 Available under license
1.140 mousetrap 1.5.3
1.141 netlib core 1.1.2
1.141.1 Available under license
1.142 netlib native_ref-java 1.1
1.142.1 Available under license
1.143 netlib native_system-java 1.1
1.143.1 Available under license
1.144 netlib-native_ref-linux-armhf 1.1
1.144.1 Available under license
1.145 netlib-native_ref-linux-i686 1.1
1.145.1 Available under license
1.146 netlib-native_ref-linux-x86_64 1.1
1.146.1 Available under license
1.147 netlib-native_ref-osx-x86_64 1.1
1.147.1 Available under license

1.148 netlib-native_ref-win-i686 1.1
1.148.1 Available under license
1.149 netlib-native_ref-win-x86_64 1.1
1.149.1 Available under license
1.150 netlib-native_system-linux-armhf 1.1
1.150.1 Available under license
1.151 netlib-native_system-linux-i686 1.1
1.151.1 Available under license
1.152 netlib-native_system-linux-x86_64 1.1
1.152.1 Available under license
1.153 netlib-native_system-osx-x86_64 1.1
1.153.1 Available under license
1.154 netlib-native_system-win-i686 1.1
1.154.1 Available under license
1.155 netlib-native_system-win-x86_64 1.1
1.155.1 Available under license
1.156 nginx 1.4.6 :1ubuntu3.5
1.156.1 Available under license
1.157 openblas 0.2.8 :6ubuntu1
1.157.1 Available under license
1.158 opencsv 2.3
1.158.1 Available under license
1.159 osgi-resource-locator 1.0.1
1.159.1 Available under license
1.160 paranamer 2.6
1.160.1 Available under license
1.161 parboiled-core 1.1.7
1.161.1 Available under license
1.162 parboiled-scala_2.11 1.1.7
1.162.1 Available under license
1.163 passay 1.1.0
1.163.1 Available under license
1.164 persistence-antlr 2.5.0
1.164.1 Available under license
1.165 persistence-asm 2.5.0
1.165.1 Available under license
1.166 persistence-core 2.5.0
1.166.1 Available under license
1.167 persistence-moxy 2.5.0

1.167.1 Available under license
1.168 pexpect 4.0.1
1.168.1 Available under license
1.169 PostgreSQL 9.4.6
1.169.1 Available under license
1.170 PostgreSQL JDBC Driver 9.4-1201-jdbc41
1.170.1 Available under license
1.171 ptyprocess 0.5.1
1.171.1 Available under license
1.172 python-chardet 2.2.1 :4chl1~precise1
1.172.1 Available under license
1.173 python-colorama 0.2.5 :0.1ubuntu2
1.173.1 Available under license
1.174 python-pip 1.5.4 :1
1.174.1 Available under license
1.175 pyyaml 3.10-4build4
1.175.1 Available under license
1.176 quartz 2.1.7
1.176.1 Available under license
1.177 rapidjson 0.11
1.177.1 Available under license
1.178 reactive-streams 1.0.0
1.178.1 Available under license
1.179 rlite 1.0.91
1.179.1 Available under license
1.180 runit 2.1.1-6.2 :ubuntu2.1
1.180.1 Available under license
1.181 Scala Compiler 2.11.0
1.181.1 Available under license
1.182 scala-java8-compat_2.11 0.7.0
1.182.1 Available under license
1.183 scala-logging_2.11 3.1.0
1.183.1 Available under license
1.184 Scala-parser-combinators_2.11 1.0.1
1.185 scala-reflect_2.11 2.11.7
1.185.1 Available under license
1.186 scala-xml_2.11 1.0.3
1.186.1 Available under license
1.187 Scalap 2.11.0

1.187.1 Available under license
1.188 scaldi_2.11 0.4
1.188.1 Available under license
1.189 scrooge-core_2.11 4.3.0
1.189.1 Available under license
1.190 select2 3.5.2
1.190.1 Available under license
1.191 shapeless-core 2.1.0
1.191.1 Available under license
1.192 slf4j-api 1.7.16
1.192.1 Available under license
1.193 slf4j-api 1.7.7
1.193.1 Available under license
1.194 slf4j-api 1.7.2
1.194.1 Available under license
1.195 slf4j-log4j12 1.7.7
1.195.1 Available under license
1.196 slf4j-log4j12 1.7.2
1.196.1 Available under license
1.197 slick-hikaricp_2.11 3.1.1
1.197.1 Available under license
1.198 slick-pg_2.11 0.11.2
1.198.1 Available under license
1.199 slick-pg_core_2.11 0.11.2
1.199.1 Available under license
1.200 slick-pg_date2_2.11 0.11.2
1.200.1 Available under license
1.201 slick-pg_spray-json_2.11 0.11.2
1.201.1 Available under license
1.202 slick_2.11 3.1.1
1.202.1 Available under license
1.203 smack-core 4.1.0
1.203.1 Available under license
1.204 smack-extensions 4.1.0
1.204.1 Available under license
1.205 smack-im 4.1.0
1.205.1 Available under license
1.206 smack-java7 4.1.0
1.206.1 Available under license

1.207 smack-resolver-javax 4.1.0
1.207.1 Available under license
1.208 smack-sasl-javax 4.1.0
1.208.1 Available under license
1.209 smack-tcp 4.1.0
1.209.1 Available under license
1.210 SnakeYAML 1.12
1.210.1 Available under license
1.211 Spark 1.6.0
1.211.1 Available under license
1.212 spire-macros_2.11 0.7.4
1.212.1 Available under license
1.213 spire_2.11 0.7.4
1.213.1 Available under license
1.214 spray-caching_2.11 1.3.3
1.214.1 Available under license
1.215 spray-can_2.11 1.3.3
1.215.1 Available under license
1.216 spray-client_2.11 1.3.3
1.216.1 Available under license
1.217 spray-http_2.11 1.3.3
1.217.1 Available under license
1.218 spray-httpx_2.11 1.3.3
1.218.1 Available under license
1.219 spray-io_2.11 1.3.3
1.219.1 Available under license
1.220 spray-json_2.11 1.3.2
1.220.1 Available under license
1.221 spray-proxy-directives PR-764
1.221.1 Available under license
1.222 spray-routing-shapeless2_2.11 1.3.3
1.222.1 Available under license
1.223 spray-routing_2.11 1.3.3
1.223.1 Available under license
1.224 spray-swagger_2.11 0.5.1
1.224.1 Available under license
1.225 spray-util_2.11 1.3.3
1.225.1 Available under license
1.226 ssl-config-akka_2.11 0.1.3

1.226.1 Available under license
1.227 ssl-config-core_2.11 0.1.3
1.227.1 Available under license
1.228 stateless4j 2.5.0
1.228.1 Available under license
1.229 StAX API 1.0.1
1.229.1 Available under license
1.230 StAX API 1.0.1
1.230.1 Available under license
1.231 stax2-api 3.1.1
1.231.1 Available under license
1.232 Streaming API for XML 1.0-2
1.232.1 Available under license
1.233 Swagger UI 2.1.2
1.233.1 Available under license
1.234 swagger-annotations 1.3.12
1.234.1 Available under license
1.235 swagger-core_2.11 1.3.12
1.235.1 Available under license
1.236 Three.js 0.0.73
1.236.1 Available under license
1.237 thrift 0.9.3
1.237.1 Available under license
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1.238.1 Available under license
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1.242 woodstox-core-asl 4.1.4
1.242.1 Available under license
1.243 WSDL4J 1.6.2
1.243.1 Available under license
1.244 XML Commons External Components XML APIs 1.0.b2

1.244.1 Notifications
1.244.2 Available under license
1.245 xmlschema-core 2.0.3
1.245.1 Available under license
1.246 XPP3 1.1.4c
1.246.1 Notifications
1.246.2 Available under license

SLN - LXC Container 1.0 Armstrong

2.1 apt 0.9.9.4
2.1.1 Available under license
2.2 base-files 3.0.14 :r89
2.2.1 Available under license
2.3 base-passwd 3.5.29
2.3.1 Available under license
2.4 bash 3.2.48-r11
2.4.1 Available under license
2.5 busybox 1.23.1
2.5.1 Available under license
2.6 bzip2 1.0.6 :r5
2.6.1 Available under license
2.7 ca-certificates 20141019
2.7.1 Available under license
2.8 debianutils 4.4
2.8.1 Available under license
2.9 dpkg 1.17.21
2.9.1 Available under license
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2.10.1 Available under license
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2.11.1 Available under license
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2.12.1 Available under license
2.13 glibc/gplv2-portions 2.21
2.13.1 Available under license
2.14 init-ifupdown 1.0
2.14.1 Available under license
2.15 initscripts 1.0 :r155
2.15.1 Available under license

2.16 jq 1.4
2.16.1 Available under license
2.17 kmod 19
2.17.1 Available under license
2.18 less 471.0
2.18.1 Available under license
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2.19.1 Available under license
2.20 libssh 0.6.4+git0+3880a8ed80
2.20.1 Available under license
2.21 Linux-PAM 1.1.6-r5
2.21.1 Available under license
2.22 Linux-PAM\modules 1.1.6-r5
2.22.1 Available under license
2.23 ncurses 5.9 :r15.1
2.23.1 Available under license
2.24 netbase 5.3
2.24.1 Available under license
2.25 openssl 1.0.1t :1
2.25.1 Notifications
2.25.2 Available under license
2.26 opkg-utils 0.1.8+git0+53274f0875
2.26.1 Available under license
2.27 perl 5.20.0
2.27.1 Available under license
2.28 resolvconf 1.76 :r0
2.28.1 Available under license
2.29 run-postinsts 1.0
2.29.1 Available under license
2.30 shadow 4.2.1
2.30.1 Available under license
2.31 shadow-securetty 4.2.1 :r3
2.31.1 Available under license
2.32 sudo 1.8.11p2
2.32.1 Available under license
2.33 sysvinit 2.88dsf :r14
2.33.1 Available under license
2.34 sysvinit 2.88dsf
2.34.1 Available under license

2.35 sysvinit-inittab 2.88dsf :r10
2.35.1 Available under license
2.36 sysvinit-inittab 2.88dsf
2.36.1 Available under license
2.37 udev 182
2.37.1 Available under license
2.38 udev_LGPLv2.1 182
2.38.1 Available under license
2.39 update-rc.d 0.7
2.39.1 Available under license
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2.40.1 Available under license
2.41 v86d 0.1.10
2.41.1 Available under license
2.42 xz 5.2.0
2.42.1 Available under license
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2.43.1 Available under license
2.44 zlib 1.2.8
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1.2 akka-persistence_2.11 2.4.2

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1.3 akka-protobuf_2.11 2.4.2

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1.5 akka-stream_2.11 2.4.2

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1.16 arpack-ng 3.1.5 :2

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1.17 bcprov-jdk15on 1.52

1.18 boost-numeric-bindings 20081116

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1.19 boost1.54 1.54.0-4ubuntu3.1 :4ubuntu3.1

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<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
 <title>Copyright Test</title>
 <articleinfo>
   <copyright>
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<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
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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:

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The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
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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
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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 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.)
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1.31 commons-lang 2.6

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1.47 guava 15.0

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1.49 hk2-api 2.2.0

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1.58 interact.js 1.2.4

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1.60 jackson-annotations 2.7.1

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1.61 jackson-core 2.7.1

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1.62 Jackson-core 2.5.3

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1.63 jackson-core-asl 1.9.13

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1.78 javax.annotation API 1.2

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1.80 javax.json-api 1.0

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1.81 Javax.Servlet-api 3.1.0

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1.86 jcl-over-slf4j 1.7.2

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*/

package org.apache.commons.logging;

/**
* <p>A simple logging interface abstracting logging APIs.  In order to be
* instantiated successfully by {@link LogFactory}, classes that implement
* this interface must have a constructor that takes a single String
* parameter representing the "name" of this Log.</p>
*
* <p> The six logging levels used by <code>Log</code> are (in order):
* <ol>
* <li>trace (the least serious)</li>
* <li>debug</li>
* <li>info</li>
* <li>warn</li>
* <li>error</li>
* <li>fatal (the most serious)</li>
* </ol>
* The mapping of these log levels to the concepts used by the underlying
* logging system is implementation dependent.
* The implementation should ensure, though, that this ordering behaves
* as expected.</p>
```

```
*
* <p>Performance is often a logging concern.
* By examining the appropriate property,
* a component can avoid expensive operations (producing information
* to be logged).</p>
*
* <p> For example,
* <code><pre>
*    if (log.isDebugEnabled()) {
*        ... do something expensive ...
*        log.debug(theResult);
*    }
* </pre></code>
* </p>
*
* <p>Configuration of the underlying logging system will generally be done
* external to the Logging APIs, through whatever mechanism is supported by
* that system.</p>
*
* <p style="color: #E40; font-weight: bold;">Please note that this interface is identical to that found in JCL
1.1.1.</p>
*
* @author <a href="mailto:sanders@apache.org">Scott Sanders</a>
* @author Rod Waldhoff
* @version $Id: Log.java,v 1.19 2004/06/06 21:16:04 rdonkin Exp $
*/
public interface Log {


  // ----------------------------------------------------- Logging Properties


  /**
   * <p> Is debug logging currently enabled? </p>
   *
   * <p> Call this method to prevent having to perform expensive operations
   * (for example, <code>String</code> concatenation)
   * when the log level is more than debug. </p>
   */
  public boolean isDebugEnabled();


  /**
   * <p> Is error logging currently enabled? </p>
   *
   * <p> Call this method to prevent having to perform expensive operations
   * (for example, <code>String</code> concatenation)
   * when the log level is more than error. </p>
```

```
 */
public boolean isErrorEnabled();


/**
 * <p> Is fatal logging currently enabled? </p>
 *
 * <p> Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than fatal. </p>
 */
public boolean isFatalEnabled();


/**
 * <p> Is info logging currently enabled? </p>
 *
 * <p> Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than info. </p>
 *
 * @return true if info enabled, false otherwise
 */
public boolean isInfoEnabled();


/**
 * <p> Is trace logging currently enabled? </p>
 *
 * <p> Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than trace. </p>
 *
 * @return true if trace enabled, false otherwise
 */
public boolean isTraceEnabled();


/**
 * <p> Is warn logging currently enabled? </p>
 *
 * <p> Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than warn. </p>
 */
public boolean isWarnEnabled();
```

```
// ----------------------------------------------------------- Logging Methods


/**
 * <p> Log a message with trace log level. </p>
 *
 * @param message log this message
 */
public void trace(Object message);


/**
 * <p> Log an error with trace log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void trace(Object message, Throwable t);


/**
 * <p> Log a message with debug log level. </p>
 *
 * @param message log this message
 */
public void debug(Object message);


/**
 * <p> Log an error with debug log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void debug(Object message, Throwable t);


/**
 * <p> Log a message with info log level. </p>
 *
 * @param message log this message
 */
public void info(Object message);


/**
 * <p> Log an error with info log level. </p>
 *
```

```
 * @param message log this message
 * @param t log this cause
 */
public void info(Object message, Throwable t);


/**
 * <p> Log a message with warn log level. </p>
 *
 * @param message log this message
 */
public void warn(Object message);


/**
 * <p> Log an error with warn log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void warn(Object message, Throwable t);


/**
 * <p> Log a message with error log level. </p>
 *
 * @param message log this message
 */
public void error(Object message);


/**
 * <p> Log an error with error log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void error(Object message, Throwable t);


/**
 * <p> Log a message with fatal log level. </p>
 *
 * @param message log this message
 */
public void fatal(Object message);
```

```
  /**
   * <p> Log an error with fatal log level. </p>
   *
   * @param message log this message
   * @param t log this cause
   */
  public void fatal(Object message, Throwable t);


}
```

1.87 jemalloc 4.1.0

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1.88 jersey-common 2.7

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1.102 jetty-servlet 9.2.3.v20140905

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1.108 jquery 2.1.1

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1.109 JSON in Java 20131018

1.110 json4s-ast_2.11 3.2.11

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1.128 libyaml 0.1.4-3ubuntu3

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1.129 log4j 1.2.17

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*/

package org.apache.log4j;

import org.apache.log4j.spi.Filter;
import org.apache.log4j.spi.ErrorHandler;
import org.apache.log4j.spi.Layout;
import org.apache.log4j.spi.LoggingEvent;
```

```
/**
* Implement this interface for your own strategies for outputting log
* statements.
*
* @author Ceki G&uuml;lc&uuml;
*/
public interface Appender {

 /**
  * Add a filter to the end of the filter list.
  *
  * @since 0.9.0
  */
 void addFilter(Filter newFilter);

 /**
  * Returns the head Filter. The Filters are organized in a linked list
  * and so all Filters on this Appender are available through the result.
  *
  * @return the head Filter or null, if no Filters are present
  * @since 1.1
  */
 public Filter getFilter();

 /**
  * Clear the list of filters by removing all the filters in it.
  *
  * @since 0.9.0
  */
 public void clearFilters();

 /**
  * Release any resources allocated within the appender such as file
  * handles, network connections, etc.
  * <p/>
  * <p>It is a programming error to append to a closed appender.
  *
  * @since 0.8.4
  */
 public void close();

 /**
  * Log in <code>Appender</code> specific way. When appropriate,
  * Loggers will call the <code>doAppend</code> method of appender
  * implementations in order to log.
  */
 public void doAppend(LoggingEvent event);
```

```
/**
 * Get the name of this appender. The name uniquely identifies the
 * appender.
 */
public String getName();


/**
 * Set the {@link ErrorHandler} for this appender.
 *
 * @since 0.9.0
 */
public void setErrorHandler(ErrorHandler errorHandler);

/**
 * Returns the {@link ErrorHandler} for this appender.
 *
 * @since 1.1
 */
public ErrorHandler getErrorHandler();

/**
 * Set the {@link Layout} for this appender.
 *
 * @since 0.8.1
 */
public void setLayout(Layout layout);

/**
 * Returns this appenders layout.
 *
 * @since 1.1
 */
public Layout getLayout();


/**
 * Set the name of this appender. The name is used by other
 * components to identify this appender.
 *
 * @since 0.8.1
 */
public void setName(String name);

/**
 * Configurators call this method to determine if the appender
```

```
 * requires a layout. If this method returns <code>true</code>,
 * meaning that layout is required, then the configurator will
 * configure an layout using the configuration information at its
 * disposal.  If this method returns <code>false</code>, meaning that
 * a layout is not required, then layout configuration will be
 * skipped even if there is available layout configuration
 * information at the disposal of the configurator..
 * <p/>
 * <p>In the rather exceptional case, where the appender
 * implementation admits a layout but can also work without it, then
 * the appender should return <code>true</code>.
 *
 * @since 0.8.4
 */
 public boolean requiresLayout();
}
```

1.131 log4j-rolling-appender 20131024-2017

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See Also

* The original blog post (<http://agentzh.blogspot.com/2009/10/hacking-on-nginx-echo-module.html>) about this module's initial development.

* The standard [filter module (HttpAdditionModule)].

* The standard [module (HttpProxyModule)].

* The ngx_openresty (<http://openresty.org>) bundle.

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1.157 openblas 0.2.8 :6ubuntu1

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Contributions to the OpenBLAS project

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Active Developers

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 * Optimize BLAS3 on ICT Loongson 3A.
 * Optimize BLAS3 on Intel Sandy Bridge.

* Zaheer Chothia <zaheer.chothia@gmail.com>

 * Improve the compatibility about complex number
 * Build LAPACKE: C interface to LAPACK
 * Improve the windows build.

Previous Developers

* Chen Shaohu <huhumartinwar@gmail.com>
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* Luo Wen
 * Intern. Test Level-2 BLAS.

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* pipping <http://page.mi.fu-berlin.de/pipping>
 * [2011-06-11] Make USE_OPENMP=0 disable openmp.

* Stefan Karpinski <stefan@karpinski.org>
 * [2011-12-28] Fix a bug about SystemStubs on Mac OS X.

* Alexander Eberspcher <https://github.com/aeberspaecher>
 * [2012-05-02] Add note on patch for segfaults on Linux kernel 2.6.32.

* Mike Nolta <mike@nolta.net>
 * [2012-05-19] Fix building bug on FreeBSD and NetBSD.

* Sylvestre Ledru <https://github.com/sylvestre>
 * [2012-07-01] Improve the detection of sparc. Fix building bug under
   Hurd and kfreebsd.

* Jameson Nash <https://github.com/vtjnash>
 * [2012-08-20] Provide support for passing CFLAGS, FFLAGS, PFLAGS, FPFLAGS to
   make on the command line.

* Alexander Nasonov <alnsn@yandex.ru>
 * [2012-11-10] Fix NetBSD build.

* Sbastien Villemot <sebastien@debian.org>
 * [2012-11-14] Fix compilation with TARGET=GENERIC. Patch applied to Debian package.

* Werner Saar <wernsaar@googlemail.com>
 * [2013-03-04] Optimize AVX and FMA4 DGEMM on AMD Bulldozer
 * [2013-04-27] Optimize AVX and FMA4 TRSM on AMD Bulldozer
 * [2013-06-09] Optimize AVX and FMA4 SGEMM on AMD Bulldozer
 * [2013-06-11] Optimize AVX and FMA4 ZGEMM on AMD Bulldozer
 * [2013-06-12] Optimize AVX and FMA4 CGEMM on AMD Bulldozer

* [2013-06-16] Optimize dgemv_n kernel on AMD Bulldozer
* [2013-06-20] Optimize ddot, daxpy kernel on AMD Bulldozer
* [2013-06-21] Optimize dcopy kernel on AMD Bulldozer

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* [2013-05-17] Fix typo in the document. Re-order the architecture list in getarch.c.

* Kenneth Hoste <kenneth.hoste@gmail.com>
* [2013-05-22] Adjust Makefile about downloading LAPACK source files.

* Lei WANG <https://github.com/wlbksy>
* [2013-05-22] Fix a bug about wget.

* Dan Luu <http://www.linkedin.com/in/danluu>
* [2013-06-30] Add Intel Haswell support (using sandybridge optimizations).

* grisuthedragon <https://github.com/grisuthedragon>
* [2013-07-11] create openblas_get_parallel to retrieve information which parallelization
  model is used by OpenBLAS.

* Sbastien Fabbro <bicatali@gentoo.org>
* [2013-07-24] Modify makefile to respect user's LDFLAGS
* [2013-07-24] Add stack markings for GNU as arch-independent for assembler files

* [Your name or handle] <[email or website]>
* [Date] [Brief summary of your changes]

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This package was debianized by Sylvestre Ledru <sylvestre@debian.org> on
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It was downloaded from https://github.com/xianyi/OpenBLAS

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Files:
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./common_interface.h
./common_lapack.h
./common_level1.h
./common_level2.h
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./common_sparc.h
./common_thread.h
./common_x86_64.h
./common_x86.h
./cpuid_alpha.c
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./cpuid_ia64.c
./cpuid_power.c
./cpuid_sparc.c
./cpuid_x86.c
./driver/level2/gbmv_k.c
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./driver/level2/ztbmv_U.c
./driver/level2/ztbsv_L.c
./driver/level2/ztbsv_U.c
./driver/level2/ztpmv_L.c
./driver/level2/ztpmv_U.c
./driver/level2/ztpsv_L.c
./driver/level2/ztpsv_U.c
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./driver/level2/ztrmv_U.c
./driver/level2/ztrsv_L.c
./driver/level2/ztrsv_U.c
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./driver/level3/gemm_thread_mn.c
./driver/level3/gemm_thread_n.c
./driver/level3/gemm_thread_variable.c
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./driver/level3/symm_k.c

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./driver/others/xerbla.c
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./interface/lauu2.c

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./lapack/trtri/trtri_U_single.c
./symcopy.h

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./param.h
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1.172 python-chardet 2.2.1 :4chl1~precise1

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1.173 python-colorama 0.2.5 :0.1ubuntu2

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1.174 python-pip 1.5.4 :1

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1.175 pyyaml 3.10-4build4

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1.176 quartz 2.1.7

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1.177 rapidjson 0.11

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1.179 rlite 1.0.91

1.179.1 Available under license :

rlite

Tiny, [fast](http://jsperf.com/rlite/2), light-weight JavaScript routing with zero dependencies.

- Zero dependencies
- No performance drop as you add routes
- Order of route declaration doesn't matter: the most specific route wins
- Roughly 600 bytes minified and gzipped
- Parses query strings

[![Build Status](https://travis-ci.org/chrisdavies/rlite.svg?branch=master)](https://travis-ci.org/chrisdavies/rlite)

Usage

Rlite does not come with any explicit tie into HTML5 push state or hash-change events, but these are easy enough to tie in based on your needs. Here's an example:

```
var r = Rlite();

// Default route
r.add('', function () {
  document.title = 'Home';
});

// #inbox
r.add('inbox', function () {
  document.title = 'In';
});

// #sent?to=john -> r.params.to will equal 'john'
r.add('sent', function (r) {
  document.title = 'Out ' + r.params.to;
```

```
});

// #users/chris -> r.params.name will equal 'chris'
r.add('users/:name', function (r) {
  document.title = 'User ' + r.params.name;
});

// #logout
r.add('logout', function () {
  document.title = 'Logout';
});

// Hash-based routing
function processHash() {
  var hash = location.hash || '#';
  r.run(hash.slice(1));
}

window.addEventListener('hashchange', processHash);
processHash();
```

The previous examples should be relatively self-explantatory. Simple, parameterized routes are supported. Only relative URLs are supported. (So, instead of passing: 'http://example.com/users/1', pass '/users/1').

Routes are not case sensitive, so `'Users/:name'` will resolve to `'users/:name'`

One other non-obvious thing is this: if there is a query parameter with the same name as a route parameter, it will override the route parameter. So given the following route definition:

```
/users/:name
```

If you pass the following URL:

```
/users/chris?name=joe
```

The value of params.name will be 'joe', not 'chris'.

You can also use it as a pattern matcher trough `lookup`. It works like the router but instead of calling the registered callback it returns an object with the callback and the matched params.

Browserify

This library is [CommonJS](http://www.commonjs.org/) compatible, so you can use it in this way:

```javascript
var Rlite = require('rlite-router'),
routes = new Rlite();
```

routes.add('', function () {
...
```

## Handling 404s

Rlite's run method returns true if the route matched and false if it didn't.

So, you could do a 404 like this:

```
if (!r.run(hash.substr(1))) {
  show404Page();
}
```

Checking to see if there is already a handler for a URL

```javascript
r.exists('/some/url/here'); // returns true if there is a matching handler
```

Multiple Handlers

By default, Rlite doesn't allow more than one handler per route. So, if you were to do this:

```
r.add('hey/:name', function (r) {
    // This will never run because the
    // next registration overwrites this one
});

r.add('hey/:name', function(r) {
    // This will run. Last one in wins!
});
```

If you want to have multiple handlers for the same route, you can include plugins/rlite-handlers.min.js, so your scripts might look like:

```
<script src="rlite.min.js"></script>
<script src="plugins/rlite-handlers.min.js"></scripts>
```

You'd use it like this:

```
var r = Rlite();

function setTitle(r) {
  document.title = r.params.name;
}
```
```

```
  function logName(r) {
    console.log(r.params.name);
  }

  r.add('example/:name', Rlite.handlers(setTitle, logName));
```

Installation

Just download rlite.min.js, or use bower:

```
  bower install rlite
```

Or use npm:
https://www.npmjs.com/package/rlite-router

```
  npm install --save rlite-router
```

Contributing

Make your changes (and add tests), then run the tests:

```
  npm test
```

If all is well, build your changes:

```
  npm run min
```

This minifies rlite, and tells you the size. It's currently just under 700 bytes, and I'd like to keep it that way!

License MIT

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1.180 runit 2.1.1-6.2 :ubuntu2.1

1.180.1 Available under license :

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1.181 Scala Compiler 2.11.0

1.181.1 Available under license :

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1.182 scala-java8-compat_2.11 0.7.0

1.182.1 Available under license :


```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head profile="http://www.w3.org/1999/xhtml/vocab">
 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1" />
<link rel="shortcut icon" href="https://opensource.org/files/osi_favicon.png" type="image/png" />
<meta name="HandheldFriendly" content="true" />
<link rel="shortlink" href="/node/568" />
<meta name="Generator" content="Drupal 7 (http://drupal.org)" />
<link rel="canonical" href="/licenses/BSD-3-Clause" />
<meta name="MobileOptimized" content="width" />
 <title>The BSD 3-Clause License | Open Source Initiative</title>
 <link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_xE-rWrJf-
fncB6ztZfd2huxqgxu4WO-qwma6Xer30m4.css" media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_4p37TiWeuzRfdymI_lPgCuu6wEwSDhUquxUkHLI7QnU.css"
media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_MnXiytJtb186Ydycnpwpw34cuUsHaKc80ey5LiQXhSY.css"
media="all" />
<link type="text/css" rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css"
media="all" />
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_KGZcOm3i1wmtbgZsjo-
3V9FM4wZ-5UDcpJ7Vfzmt45E.css" media="all" />
```

```
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_G9cu63kkDQ56GYuF3QrqJxma5HT-bUVZckUWKUzFCF4.css"
media="all" />

<!--[if (lt IE 9)]>
<link type="text/css" rel="stylesheet" href="https://opensource.org/sites/all/themes/bootstrap-
business/css/ie8.css?o11dsc" media="all" />
<![endif]-->


 <!-- HTML5 element support for IE6-8 -->
 <!--[if lt IE 9]>
   <script src="//html5shiv.googlecode.com/svn/trunk/html5.js"></script>
 <![endif]-->
 <script type="text/javascript" src="//code.jquery.com/jquery-1.10.2.min.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
window.jQuery || document.write("<script
src='/sites/all/modules/jquery_update/replace/jquery/1.10/jquery.min.js'>\x3C/script>")
//--><!]]>
</script>
<script type="text/javascript" src="https://opensource.org/files/js/js_3TykeRWpejhD4-
J3vdlaNXdULg9xhOZhbsppK0o2bUs.js"></script>
<script type="text/javascript" src="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/js/bootstrap.min.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
jQuery(document).ready(function($) {
  $(window).scroll(function() {
   if($(this).scrollTop() != 0) {
    $("#toTop").fadeIn();
   } else {
    $("#toTop").fadeOut();
   }
  });

  $("#toTop").click(function() {
   $("body,html").animate({scrollTop:0},800);
  });

  });
//--><!]]>
</script>
<script type="text/javascript"
src="https://opensource.org/files/js/js_ruOYJN6FkJU2O5L1dAKVnDloSn5R6LjnLW88zFxS1Uw.js"></script>
<script type="text/javascript" src="https://opensource.org/files/js/js_JQHTvV_SkyFlN3f2BnQwnusF-
eI6tkX8wrKAk2siiZU.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
```

jQuery.extend(Drupal.settings,
{"basePath":"\/","pathPrefix":"","ajaxPageState":{"theme":"bootstrap_business","theme_token":"9iUxszn6HBp6UO6lCi31ws2qt6e18RlXWA1XmosW9i0","js":{"\/\/code.jquery.com\/jquery-1.10.2.min.js":1,"0":1,"misc\/jquery.once.js":1,"misc\/drupal.js":1,"\/\/maxcdn.bootstrapcdn.com\/bootstrap\/3.2.0\/js\/bootstrap.min.js":1,"1":1,"sites\/all\/libraries\/superfish\/jquery.hoverIntent.minified.js":1,"sites\/all\/libraries\/superfish\/sftouchscreen.js":1,"sites\/all\/libraries\/superfish\/sfsmallscreen.js":1,"sites\/all\/libraries\/superfish\/supposition.js":1,"sites\/all\/libraries\/superfish\/superfish.js":1,"sites\/all\/libraries\/superfish\/supersubs.js":1,"sites\/all\/modules\/superfish\/superfish.js":1,"sites\/all\/themes\/bootstrap-business\/js\/jquery.browser.min.js":1},"css":{"modules\/system\/system.base.css":1,"modules\/system\/system.menus.css":1,"modules\/system\/system.messages.css":1,"modules\/system\/system.theme.css":1,"modules\/aggregator\/aggregator.css":1,"modules\/comment\/comment.css":1,"modules\/field\/theme\/field.css":1,"sites\/all\/modules\/mollom\/mollom.css":1,"modules\/node\/node.css":1,"modules\/search\/search.css":1,"modules\/user\/user.css":1,"sites\/all\/modules\/views\/css\/views.css":1,"sites\/all\/modules\/ctools\/css\/ctools.css":1,"\/\/maxcdn.bootstrapcdn.com\/bootstrap\/3.2.0\/css\/bootstrap.min.css":1,"sites\/all\/libraries\/superfish\/css\/superfish.css":1,"sites\/all\/themes\/bootstrap-business\/css\/style.css":1,"sites\/all\/themes\/bootstrap-business\/color\/colors.css":1,"sites\/all\/themes\/bootstrap-business\/css\/local.css":1,"sites\/all\/themes\/bootstrap-business\/css\/ie8.css":1}},"urlIsAjaxTrusted":{"\/licenses\/BSD-3-Clause":true},"superfish":{"1":{"id":"1","sf":{"animation":{"opacity":"show","height":"show"},"speed":"\u0027fast\u0027","autoArrows":false,"dropShadows":true,"disableHI":false},"plugins":{"touchscreen":{"mode":"window_width"},"smallscreen":{"mode":"window_width","addSelected":false,"menuClasses":false,"hyperlinkClasses":false,"title":"Navigation"},"supposition":true,"bgiframe":false,"supersubs":{"minWidth":"12","maxWidth":"27","extraWidth":1}}}}});
//--><!]]>
</script>
</head>
<body class="html not-front not-logged-in no-sidebars page-node page-node- page-node-568 node-type-page" >

  Skip to main content

<!-- #header-top -->

    <!-- #header-top-inside -->

        <!-- #header-top-left -->

```
 <div class="content">
   <ul class="menu"><li class="first leaf"><a href="/" title="">Home</a></li>
<li class="leaf"><a href="/blog" title="">From the Board</a></li>
<li class="leaf"><a href="/contact" title="">Contact</a></li>
<li class="last leaf"><a href="/civicrm/contribute/transact?reset=1&id=2" title="">Donate</a></li>
</ul>  </div>
</div>
 </div>
            </div>
            <!-- EOF:#header-top-left -->
          </div>

                 <div class="col-md-4">
            <!-- #header-top-right -->
            <div id="header-top-right" class="clearfix">
                <div class="region region-header-top-right">
  <div id="block-search-form" class="block block-search clearfix">


 <div class="content">
   <form action="/licenses/BSD-3-Clause" method="post" id="search-block-form" accept-charset="UTF-
8"><div><div class="container-inline">
     <h2 class="element-invisible">Search form</h2>
   <div class="form-item form-type-textfield form-item-search-block-form">
<input onblur="if (this.value == &#039;&#039;) {this.value = &#039;Search this website...&#039;;}" onfocus="if
(this.value == &#039;Search this website...&#039;) {this.value = &#039;&#039;;}" type="text" id="edit-search-
block-form--2" name="search_block_form" value="Search this website..." size="15" maxlength="128"
class="form-text" />
</div>
<div class="form-actions form-wrapper" id="edit-actions"><input value="" type="submit" id="edit-submit"
name="op" class="form-submit" /></div><input type="hidden" name="form_build_id" value="form-
f_aEqfQexu_d_gBrHZFJWouFaIjhzGD-QxbIIFIxezY" />
<input type="hidden" name="form_id" value="search_block_form" />
</div>
</div></form>  </div>
</div>
 </div>
            </div>
            <!-- EOF:#header-top-right -->
          </div>

          </div>
      </div>
      <!-- EOF: #header-top-inside -->

   </div>
</div>
<!-- EOF: #header-top -->
```

```
<!-- header -->
<header id="header" role="banner" class="clearfix">
  <div class="container">

    <!-- #header-inside -->
    <div id="header-inside" class="clearfix">
      <div class="row">
        <div class="col-md-8">

                  <div id="logo">
        <a href="/" title="Home" rel="home"> <img
src="https://opensource.org/files/osi_keyhole_300X300_90ppi_0.png" alt="Home" /> </a>
        </div>

                  <div id="site-name">
        <a href="/" title="Home">Open Source Initiative</a>
        </div>


        </div>

        <div class="col-md-4">


        </div>
      </div>
    </div>
    <!-- EOF: #header-inside -->

  </div>
</header>
<!-- EOF: #header -->

<!-- #main-navigation -->
<div id="main-navigation" class="clearfix">
  <div class="container">

    <!-- #main-navigation-inside -->
    <div id="main-navigation-inside" class="clearfix">
      <div class="row">
        <div class="col-md-12">
          <nav role="navigation">
                              <div class="region region-navigation">
  <div id="block-superfish-1" class="block block-superfish clearfix">


 <div class="content">
```

<ul id="superfish-1" class="menu sf-menu sf-navigation sf-horizontal sf-style-none sf-total-items-6 sf-parent-items-6 sf-single-items-0"><li id="menu-37-1" class="first odd sf-item-1 sf-depth-1 sf-total-children-4 sf-parent-children-2 sf-single-children-2 menuparent">About
<li id="menu-75-1" class="first odd sf-item-1 sf-depth-2 sf-no-children">History
<li id="menu-82-1" class="middle even sf-item-2 sf-depth-2 sf-total-children-7 sf-parent-children-0 sf-single-children-7 menuparent">Board
<li id="menu-83-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Board - Annotated
<li id="menu-96-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">Minutes
<li id="menu-185-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children">Organization & Operations
<li id="menu-95-1" class="middle even sf-item-4 sf-depth-3 sf-no-children">Articles of Incorporation
<li id="menu-1475-1" class="middle odd sf-item-5 sf-depth-3 sf-no-children">Board Elections
<li id="menu-84-1" class="middle even sf-item-6 sf-depth-3 sf-no-children">Bylaws
<li id="menu-1317-1" class="last odd sf-item-7 sf-depth-3 sf-no-children">Conflict of Interest
<li id="menu-1843-1" class="middle odd sf-item-3 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">Trademark & Logo
<li id="menu-184-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Trademark Guidelines
<li id="menu-183-1" class="last even sf-item-2 sf-depth-3 sf-no-children">Logo Guidelines
<li id="menu-126-1" class="last even sf-item-4 sf-depth-2 sf-no-children">Terms of Service
<li id="menu-65-1" class="middle even sf-item-2 sf-depth-1 sf-total-children-5 sf-parent-children-3 sf-single-children-2 menuparent">Licenses & Standards
<li id="menu-61-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-1 sf-parent-children-0 sf-single-children-1 menuparent">Open Source Definition
<li id="menu-62-1" class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children">OSD - Annotated
<li id="menu-77-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">Licenses by Category
<li id="menu-72-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children">Licenses by Name
<li id="menu-66-1" class="middle even sf-item-4 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">License Review Process
<li id="menu-67-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Licence Proliferation
<li id="menu-69-1" class="last even sf-item-2 sf-depth-3 sf-no-children">LP report to the Board
<li id="menu-99-1" class="last odd sf-item-5 sf-depth-2 sf-total-children-4 sf-parent-children-0 sf-single-children-4 menuparent">Open Standards
<li id="menu-101-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">The Open Standards Requirement
<li id="menu-102-1"

class="middle even sf-item-2 sf-depth-3 sf-no-children">Open Standards Requirement Compliance
<li id="menu-100-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children">Open Standards Requirement Rationale
<li id="menu-103-1" class="last even sf-item-4 sf-depth-3 sf-no-children">OSR Frequently Asked Questions
<li id="menu-1842-1" class="middle odd sf-item-3 sf-depth-1 sf-total-children-3 sf-parent-children-2 sf-single-children-1 menuparent">Membership
<li id="menu-914-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-1 sf-parent-children-0 sf-single-children-1 menuparent">Individuals
<li id="menu-897-1" class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children">Join
<li id="menu-675-1" class="middle even sf-item-2 sf-depth-2 sf-total-children-3 sf-parent-children-0 sf-single-children-3 menuparent">Affiliates
<li id="menu-676-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Become an Affiliate
<li id="menu-677-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">List of Affiliates
<li id="menu-2071-1" class="last odd sf-item-3 sf-depth-3 sf-no-children">Affiliate Criteria
<li id="menu-1436-1" class="last odd sf-item-3 sf-depth-2 sf-no-children">Sponsors & Support
<li id="menu-1841-1" class="middle even sf-item-4 sf-depth-1 sf-total-children-4 sf-parent-children-1 sf-single-children-3 menuparent">Community
<li id="menu-63-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">Mailing lists
<li id="menu-78-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">General Code of Conduct
<li id="menu-1072-1" class="last even sf-item-2 sf-depth-3 sf-no-children">Licensing Code of Conduct
<li id="menu-2032-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">Volunteers
<li id="menu-1846-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children">Wiki
<li id="menu-1524-1" class="last even sf-item-4 sf-depth-2 sf-no-children">OSI Store
<li id="menu-1840-1" class="middle odd sf-item-5 sf-depth-1 sf-total-children-6 sf-parent-children-1 sf-single-children-5 menuparent">Resources
<li id="menu-342-1" class="first odd sf-item-1 sf-depth-2 sf-no-children">FAQ
<li id="menu-38-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">OSI Board Blog
<li id="menu-45-1" class="middle odd sf-item-3 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">Getting Help
<li id="menu-76-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Bibliography
<li id="menu-125-1" class="last even sf-item-2 sf-depth-3 sf-no-children">Open Source Case for Business
<li id="menu-1845-1" class="middle even sf-item-4 sf-depth-2 sf-no-children">Newsletters
<li id="menu-1514-1" class="middle odd sf-item-5 sf-depth-2 sf-no-children">Working Groups
<li id="menu-12-1" class="last even sf-item-

6 sf-depth-2 sf-no-children">Open Source Education
<li id="menu-1844-1" class="last even sf-item-6 sf-depth-1 sf-total-children-1 sf-parent-children-0 sf-single-children-1 menuparent">News & Events
<li id="menu-1999-1" class="firstandlast odd sf-item-1 sf-depth-2 sf-no-children">Events

                                </nav>

      <!-- EOF: #main-navigation-inside -->

<!-- EOF: #main-navigation -->

<!-- #page -->

  <!-- #main-content -->

        <!-- #messages-console -->
                <!-- EOF: #messages-console -->

           <section class="col-md-12">

              <!-- #main -->

                 <!-- EOF:#content-wrapper -->

                                                      <h1 class="page-title">The BSD 3-Clause License</h1>

                    <!-- #tabs -->

```
                                        <div class="tabs">
                                          </div>
                                       <!-- EOF: #tabs -->

                    <!-- #action links -->
                                       <!-- EOF: #action links -->

                      <div class="region region-content">
  <div id="block-system-main" class="block block-system clearfix">


 <div class="content">
  <article id="node-568" class="node node-page clearfix">


 <div class="content">
  <div class="field field-name-body field-type-text-with-summary field-label-hidden"><div class="field-
items"><div class="field-item even"><div align="right">
<button onclick="myFunction()">Further resources on <b>The BSD 3-Clause License</b></button>

<p id="demo"></p>

<script>
<!--//--><![CDATA[// ><!--

function myFunction() {
  var x;
  if (confirm("Disclaimer: While the OSI acknowledges these as potentially helpful resources for the community, it
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purposes and creates no attorney-client relationship between you, the OSI or the resources. If you have questions
about how licenses apply to you or your organization, you should seek legal advice. ") == true) {
      x = "<br><p>The following are other community resources that may be helpful:<br><br><a
href=https://tldrlegal.com/license/bsd-3-clause-license-%28revised%29 style='font-weight: bold;'>The BSD 3-
Clause License on TLDRLegal<br><a href=http://www.gnu.org/licenses/license-list.en.html>GNU License
List<br><a href=https://en.wikipedia.org/wiki/Comparison_of_free_and_open-source_software_licenses>Wikipedia
License List<br><a href=http://oss-watch.ac.uk/apps/licdiff/>OSSWatch License Diff<br><a
href=choosealicense.com>Choosealicense";
  } else {
     x = " ";
  }
  document.getElementById("demo").innerHTML = x;
}

//--><!]]>
</script></div>
```

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</article>

<!-- EOF:#content-wrapper -->

<!-- EOF:#main -->

</section>

<!-- EOF:#main-content -->

<!-- EOF:#page -->

<footer id="subfooter" class="clearfix">

<!-- #subfooter-inside -->

<!-- #subfooter-left -->

```
<div class="subfooter-area">


<div class="region region-footer">
<div id="block-block-11" class="block block-block clearfix">


<div class="content">
<div class="filler" style="vertical-align: middle; display: inline-block;">
<p style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;">
<a href="https://twitter.com/OpenSourceOrg" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;"><img src="/files/twitterlogo.png" width="50" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;" /></a>

<a href="https://plus.google.com/+opensourceinitiative" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;"><img src="/files/google.png" width="50" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;" /></a>

<a href="https://www.linkedin.com/company/open-source-initiative-osi-" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;"><img src="/files/linkedin.png" width="50" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;" /></a>

<a href="http://wiki.opensource.org" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;"><img src="/files/xwikilogo.png" width="50" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;" /></a>

<a href="http://creativecommons.org/licenses/by/4.0/" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;"><img src="/files/ccby.png" width="50" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;" /></a>

<script id="fbwiuwz">
<!--//--><![CDATA[// ><!--
(function(i){var
f,s=document.getElementById(i);f=document.createElement('iframe');f.src='//api.flattr.com/button/view/?uid=osi&url=http%3A%2F%2Fopensource.org';f.title='Flattr';f.height=70;f.width=70;f.style.borderWidth=0;s.parentNode.insertBefore(f,s);})('fbwiuwz');
//--><!]]>
</script></p>
</div>

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<a href="../ToS">Terms of Service</a>
</p>
```

```
</div>
 </div>
</div>
<div id="block-block-7" class="block block-block clearfix">


 <div class="content">
   <script src="https://www.google-analytics.com/urchin.js" type="text/javascript">
<!--//--><![CDATA[// ><!--


//--><!]]>
</script><script type="text/javascript">
<!--//--><![CDATA[// ><!--

_uacct = "UA-3916956-1";
urchinTracker();

//--><!]]>
</script>  </div>
</div>
 </div>

                </div>
                <!-- EOF: #subfooter-left -->
              </div>
            </div>
        </div>
        <!-- EOF: #subfooter-inside -->

   </div>
</footer>
<!-- EOF:#subfooter -->
 </body>
</html>
```

1.183 scala-logging_2.11 3.1.0

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1.184 Scala-parser-combinators_2.11 1.0.1

1.185 scala-reflect_2.11 2.11.7

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1.186 scala-xml_2.11 1.0.3

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1.187 Scalap 2.11.0

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1.188 scaldi_2.11 0.4

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1.189 scrooge-core_2.11 4.3.0

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1.190 select2 3.5.2

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1.191 shapeless-core 2.1.0

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1.192 slf4j-api 1.7.16

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*
*/
package org.slf4j;

import org.slf4j.helpers.BasicMarkerFactory;
import org.slf4j.helpers.Util;
import org.slf4j.impl.StaticMarkerBinder;

/**
* MarkerFactory is a utility class producing {@link Marker} instances as
* appropriate for the logging system currently in use.
*
* <p>
* This class is essentially implemented as a wrapper around an
* {@link IMarkerFactory} instance bound at compile time.
*
* <p>
* Please note that all methods in this class are static.
*
* @author Ceki G&uuml;lc&uuml;
*/
public class MarkerFactory {
 static IMarkerFactory markerFactory;

 private MarkerFactory() {
 }

 static {
   try {
     markerFactory = StaticMarkerBinder.SINGLETON.getMarkerFactory();
   } catch (NoClassDefFoundError e) {
     markerFactory = new BasicMarkerFactory();

   } catch (Exception e) {
     // we should never get here
     Util.report("Unexpected failure while binding MarkerFactory", e);
   }
 }

 /**
  * Return a Marker instance as specified by the name parameter using the
  * previously bound {@link IMarkerFactory}instance.
```

```
 *
 * @param name
 *          The name of the {@link Marker} object to return.
 * @return marker
 */
public static Marker getMarker(String name) {
  return markerFactory.getMarker(name);
}

/**
 * Create a marker which is detached (even at birth) from the MarkerFactory.
 *
 * @param name the name of the marker
 * @return a dangling marker
 * @since 1.5.1
 */
public static Marker getDetachedMarker(String name) {
  return markerFactory.getDetachedMarker(name);
}

/**
 * Return the {@link IMarkerFactory}instance in use.
 *
 * <p>The IMarkerFactory instance is usually bound with this class at
 * compile time.
 *
 * @return the IMarkerFactory instance in use
 */
public static IMarkerFactory getIMarkerFactory() {
  return markerFactory;
 }
}
```

1.194 slf4j-api 1.7.2

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# 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
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#
# In May 2000, Guido and the Python core development team moved to
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#
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# from                    compatible? (1)
#
# 0.9.0 thru 1.2          1991-1995   CWI         yes
# 1.3 thru 1.5.2  1.2     1995-1999   CNRI        yes
# 1.6           1.5.2     2000        CNRI        no
# 2.0           1.6       2000        BeOpen.com  no
# 1.6.1         1.6       2001        CNRI        yes (2)
# 2.1           2.0+1.6.1 2001        PSF         no
# 2.0.1         2.0+1.6.1 2001        PSF         yes
# 2.1.1         2.1+2.0.1 2001        PSF         yes
# 2.2           2.1.1     2001        PSF         yes
# 2.1.2         2.1.1     2002        PSF         yes
# 2.1.3         2.1.2     2002        PSF         yes
# 2.2.1         2.2       2002        PSF         yes
# 2.2.2         2.2.1     2002        PSF         yes
# 2.2.3         2.2.2     2003        PSF         yes
# 2.3           2.2.2     2002-2003   PSF         yes
# 2.3.1         2.3       2002-2003   PSF         yes
# 2.3.2         2.3.1     2002-2003   PSF         yes
# 2.3.3         2.3.2     2002-2003   PSF         yes
# 2.3.4         2.3.3     2004        PSF         yes
# 2.3.5         2.3.4     2005        PSF         yes
# 2.4           2.3       2004        PSF         yes
# 2.4.1         2.4       2005        PSF         yes
# 2.4.2         2.4.1     2005        PSF         yes
# 2.4.3         2.4.2     2006        PSF         yes
# 2.4.4         2.4.3     2006        PSF         yes
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# 2.5.3         2.5.2     2008        PSF         yes
# 2.6           2.5       2008        PSF         yes
# 2.6.1         2.6       2008        PSF         yes
# 2.6.2         2.6.1     2009        PSF         yes
# 2.6.3         2.6.2     2009        PSF         yes
# 2.6.4         2.6.3     2009        PSF         yes
# 2.6.5         2.6.4     2010        PSF         yes
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Library has been written by Tatu Saloranta (tatu.saloranta@iki.fi).
It was started at Ning, inc., as an official Open Source process used by
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Other contributors include:

* Jon Hartlaub (first versions of streaming reader/writer; unit tests)
* Cedrik Lime: parallel LZF implementation

Various community members have contributed bug reports, and suggested minor
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Library has been written by Tatu Saloranta (tatu.saloranta@iki.fi).
It was started at Ning, inc., as an official Open Source process used by
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Other contributors include:

* Jon Hartlaub (first versions of streaming reader/writer; unit tests)
* Cedrik Lime: parallel LZF implementation

Various community members have contributed bug reports, and suggested minor
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#


acquire_rat_jar () {

 URL="http://repo1.maven.org/maven2/org/apache/rat/apache-rat/${RAT_VERSION}/apache-rat-
${RAT_VERSION}.jar"

 JAR="$rat_jar"

 # Download rat launch jar if it hasn't been downloaded yet
 if [ ! -f "$JAR" ]; then
   # Download
   printf "Attempting to fetch rat\n"
   JAR_DL="${JAR}.part"
   if [ $(command -v curl) ]; then
     curl -L --silent "${URL}" > "$JAR_DL" && mv "$JAR_DL" "$JAR"
   elif [ $(command -v wget) ]; then
     wget --quiet ${URL} -O "$JAR_DL" && mv "$JAR_DL" "$JAR"
   else
     printf "You do not have curl or wget installed, please install rat manually.\n"
     exit -1
   fi
 fi

 unzip -tq "$JAR" &> /dev/null
 if [ $? -ne 0 ]; then
   # We failed to download
   rm "$JAR"
   printf "Our attempt to download rat locally to ${JAR} failed. Please install rat manually.\n"
   exit -1
```

```
 fi
}

# Go to the Spark project root directory
FWDIR="$(cd "`dirname "$0"`"/..; pwd)"
cd "$FWDIR"

if test -x "$JAVA_HOME/bin/java"; then
  declare java_cmd="$JAVA_HOME/bin/java"
else
  declare java_cmd=java
fi

export RAT_VERSION=0.10
export rat_jar="$FWDIR"/lib/apache-rat-${RAT_VERSION}.jar
mkdir -p "$FWDIR"/lib

[[ -f "$rat_jar" ]] || acquire_rat_jar || {
  echo "Download failed. Obtain the rat jar manually and place it at $rat_jar"
  exit 1
}

$java_cmd -jar "$rat_jar" -E "$FWDIR"/.rat-excludes  -d "$FWDIR" > rat-results.txt

if [ $? -ne 0 ]; then
  echo "RAT exited abnormally"
  exit 1
fi

ERRORS="$(cat rat-results.txt | grep -e "??")"

if test ! -z "$ERRORS"; then
  echo "Could not find Apache license headers in the following files:"
  echo "$ERRORS"
  exit 1
else
  echo -e "RAT checks passed."
fi
```

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*/
```

1.230 StAX API 1.0.1

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```

1.231 stax2-api 3.1.1

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```
/* Woodstox XML processor
*
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*/

package org.codehaus.stax2.ri;

import java.util.NoSuchElementException;

import javax.xml.stream.*;
import javax.xml.stream.events.*;
import javax.xml.stream.util.XMLEventAllocator;

import org.codehaus.stax2.XMLEventReader2;
import org.codehaus.stax2.XMLStreamReader2;

/**
* Almost complete implementation of {@link XMLEventReader2}, built on top of
* a generic {@link XMLStreamReader} implementation (using aggregation).
* Designed to be used by concrete Stax2 implementations to provide
* full Event API implementation with minimal effort.
*<p>
* Since there is not much to optimize at this
* level (API and underlying stream reader pretty much define functionality
* and optimizations that can be done), implementation is fairly straight
* forward, with not many surprises.
*<p>
* Implementation notes: the trickiest things to implement are:
* <ul>
*  <li>Peek() functionality! Geez, why did that have to be part of StAX
*    specs???!
*   </li>
*  <li>Adding START_DOCUMENT event that cursor API does not return
*    explicitly.
*   </li>
* </ul>
```

```
*/
public abstract class Stax2EventReaderImpl
  implements XMLEventReader2,
             XMLStreamConstants
{
  // // // Enumerated state ids

  protected final static int STATE_INITIAL = 1;
  protected final static int STATE_END_OF_INPUT = 2;
  protected final static int STATE_CONTENT = 3;


  // // // Enumerated error case ids

  /**
   * Current state when getElementText() called not START_ELEMENT
   */
  protected final static int ERR_GETELEMTEXT_NOT_START_ELEM = 1;

  /**
   * Encountered non-textual event (other than closing END_ELEMENT)
   * when collecting text for getElementText()
   */
  protected final static int ERR_GETELEMTEXT_NON_TEXT_EVENT = 2;

  /**
   * Encountered CHARACTERS or CDATA that contains non-white space
   * char(s), when trying to locate tag with nextTag()
   */
  protected final static int ERR_NEXTTAG_NON_WS_TEXT = 3;

  /**
   * Encountered non-skippable non-text/element event with
   * nextTag()
   */
  protected final static int ERR_NEXTTAG_WRONG_TYPE = 4;

  /*
  ////////////////////////////////////////
  // Configuration
  ////////////////////////////////////////
   */

  protected final XMLEventAllocator mAllocator;

  protected final XMLStreamReader2 mReader;

  /*
```

```
////////////////////////////////////////////
// State
////////////////////////////////////////////
 */

/**
 * Event that has been peeked, ie. loaded without call to
 * {@link #nextEvent}; will be returned and cleared by
 * call to {@link #nextEvent} (or, returned again if peeked
 * again)
 */
private XMLEvent mPeekedEvent = null;

/**
 * High-level state indicator, with currently three values:
 * whether we are initializing (need to synthetize START_DOCUMENT),
 * at END_OF_INPUT (end-of-doc), or otherwise, normal operation.
 * Useful in simplifying some methods, as well as to make sure
 * that independent of how stream reader handles things, event reader
 * can reliably detect End-Of-Document.
 */
protected int mState = STATE_INITIAL;

/**
 * This variable keeps track of the type of the 'previous' event
 * when peeking for the next Event. It is needed for some functionality,
 * to remember state even when underlying parser has to move to peek
 * the next event.
 */
protected int mPrePeekEvent = START_DOCUMENT;

/*
////////////////////////////////////////////
// Construction
////////////////////////////////////////////
 */

protected Stax2EventReaderImpl(XMLEventAllocator a, XMLStreamReader2 r)
{
   mAllocator = a;
   mReader = r;
}

/*
////////////////////////////////////////////////////
// Abstract methods sub-classes have to implement
////////////////////////////////////////////////////
 */
```

```
public abstract boolean isPropertySupported(String name);

public abstract boolean setProperty(String name, Object value);

/**
 * Method called upon encountering a problem that should result
 * in an exception being thrown. If non-null String is returned.
 * that will be used as the message of exception thrown; if null,
 * a standard message will be used instead.
 *
 * @param errorType Type of the problem, one of <code>ERR_</code>
 *    constants
 * @param eventType Type of the event that triggered the problem,
 *    if any; -1 if not available.
 */
protected abstract String getErrorDesc(int errorType, int eventType);

/*
//////////////////////////////////////////////////////
// XMLEventReader API
//////////////////////////////////////////////////////
 */

public void close()
   throws XMLStreamException
{
   mReader.close();
}

public String getElementText()
   throws XMLStreamException
{
   /* Simple, if no peeking occured: can just forward this to the
    * underlying parser
    */
   if (mPeekedEvent == null) {
      return mReader.getElementText();
   }

   XMLEvent evt = mPeekedEvent;
   mPeekedEvent = null;

   /* Otherwise need to verify that we are currently over START_ELEMENT.
    * Problem is we have already went past it...
    */
   if (mPrePeekEvent != START_ELEMENT) {
      reportProblem(findErrorDesc(ERR_GETELEMTEXT_NOT_START_ELEM, mPrePeekEvent));
```

```
    }
    // ??? do we need to update mPrePeekEvent now

    String str = null;
    StringBuffer sb = null;

    /* Ok, fine, then just need to loop through and get all the
     * text...
     */
    for (; true; evt = nextEvent()) {
        if (evt.isEndElement()) {
            break;
        }
        int type = evt.getEventType();
        if (type == COMMENT || type == PROCESSING_INSTRUCTION) {
            // can/should just ignore them
            continue;
        }
        if (!evt.isCharacters()) {
            reportProblem(findErrorDesc(ERR_GETELEMTEXT_NON_TEXT_EVENT, type));
        }
        String curr = evt.asCharacters().getData();
        if (str == null) {
            str = curr;
        } else {
            if (sb == null) {
                sb = new StringBuffer(str.length() + curr.length());
                sb.append(str);
            }
            sb.append(curr);
        }
    }

    if (sb != null) {
        return sb.toString();
    }
    return (str == null) ? "" : str;
}

public Object getProperty(String name) {
    return mReader.getProperty(name);
}

public boolean hasNext() {
    return (mState != STATE_END_OF_INPUT);
}

public XMLEvent nextEvent()
```

```
    throws XMLStreamException
{
    if (mState == STATE_END_OF_INPUT) {
        throwEndOfInput();
    } else if (mState == STATE_INITIAL) {
        mState = STATE_CONTENT;
        return createStartDocumentEvent();
    }
    if (mPeekedEvent != null) {
        XMLEvent evt = mPeekedEvent;
        mPeekedEvent = null;
        if (evt.isEndDocument()) {
            mState = STATE_END_OF_INPUT;
        }
        return evt;
    }
    return createNextEvent(true, mReader.next());
}

public Object next() {
    try {
        return nextEvent();
    } catch (XMLStreamException sex) {
        throwUnchecked(sex);
        return null;
    }
}

public XMLEvent nextTag()
    throws XMLStreamException
{
    // If we have peeked something, need to process it
    if (mPeekedEvent != null) {
        XMLEvent evt = mPeekedEvent;
        mPeekedEvent = null;
        int type = evt.getEventType();
        switch (type) {
        case END_DOCUMENT:
            return null;
        case START_DOCUMENT:
            // Need to skip START_DOCUMENT to get the root elem
            break;
        case SPACE:
            // Ignorable WS is just fine
            break;

            /* !!! 07-Dec-2004, TSa: Specs are mum about Comments and PIs.
             *  But why would they not be skipped just like what
```

```
         *  the stream reader does?
         */
      case COMMENT:
      case PROCESSING_INSTRUCTION:
        break;
      case CDATA:
      case CHARACTERS:
        if (((Characters) evt).isWhiteSpace()) {
          break;
        }
        reportProblem(findErrorDesc(ERR_NEXTTAG_NON_WS_TEXT, type));
        break; // never gets here, but some compilers whine without...
      case START_ELEMENT:
      case END_ELEMENT:
        return evt;

      default:
        reportProblem(findErrorDesc(ERR_NEXTTAG_WRONG_TYPE, type));
      }
    } else {
      /* 13-Sep-2005, TSa: As pointed out by Patrick, we may need to
       *   initialize the state here, too; otherwise peek() won't work
       *   correctly. The problem is that following loop's get method
       *   does not use event reader's method but underlying reader's.
       *   As such, it won't update state: most importantly, initial
       *   state may not be changed to non-initial.
       */
      if (mState == STATE_INITIAL) {
        mState = STATE_CONTENT;
      }
    }

    while (true) {
      int next = mReader.next();

      switch (next) {
      case END_DOCUMENT:
        return null;
      case SPACE:
        /* !!! 07-Dec-2004, TSa: Specs are mum about Comments and PIs.
         *  But why would they not be skipped just like what
         *  the stream reader does?
         */
      case COMMENT:
      case PROCESSING_INSTRUCTION:
        continue;
      case CDATA:
      case CHARACTERS:
```

```
            if (mReader.isWhiteSpace()) {
                continue;
            }
            reportProblem(findErrorDesc(ERR_NEXTTAG_NON_WS_TEXT, next));
        break; // just to keep Jikes happy...

        case START_ELEMENT:
        case END_ELEMENT:
            return createNextEvent(false, next);

        default:
            reportProblem(findErrorDesc(ERR_NEXTTAG_WRONG_TYPE, next));
        }
    }
}

public XMLEvent peek()
    throws XMLStreamException
{
    if (mPeekedEvent == null) {
        if (mState == STATE_END_OF_INPUT) {
            // 06-Mar-2006, TSa: Fixed as per Arjen's suggestion:
            //throwEndOfInput();
            return null;
        }
        if (mState == STATE_INITIAL) {
            // Not sure what it should be... but this should do:
            mPrePeekEvent = START_DOCUMENT;
            mPeekedEvent = createStartDocumentEvent();
            mState = STATE_CONTENT;
        } else {
            mPrePeekEvent = mReader.getEventType();
            mPeekedEvent = createNextEvent(false, mReader.next());
        }
    }
    return mPeekedEvent;
}

/**
 * Note: only here because we implement Iterator interface. Will not
 * work, don't bother calling it.
 */
public void remove() {
    throw new UnsupportedOperationException("Can not remove events from XMLEventReader.");
}

/*
//////////////////////////////////////////////////////
```

```
// XMLEventReader2 API
//////////////////////////////////////////////////////
 */

/**
 *<p>
 * Note: although the interface allows implementations to
 * throw an {@link XMLStreamException}, the reference implementation
 * doesn't currently need to.
 * It's still declared, in case in future there is need to throw
 * such an exception.
 */
public boolean hasNextEvent()
   throws XMLStreamException
{
   return (mState != STATE_END_OF_INPUT);
}

/*
//////////////////////////////////////////////////
// Overridable factory methods
//////////////////////////////////////////////////
 */

protected XMLEvent createNextEvent(boolean checkEOD, int type)
   throws XMLStreamException
{
   try {
      XMLEvent evt = mAllocator.allocate(mReader);
      if (checkEOD && type == END_DOCUMENT) {
         mState = STATE_END_OF_INPUT;
      }
      return evt;
   } catch (RuntimeException rex) {
      /* 29-Mar-2008, TSa: Due to some problems with Stax API
       *  (lack of 'throws XMLStreamException' in signature of
       *  XMLStreamReader.getText(), for one) it is possible
       *  we will get a wrapped XMLStreamException. If so,
       *  we should be able to unwrap it.
       */
      Throwable t = rex.getCause();
      while (t != null) {
         if (t instanceof XMLStreamException) {
            throw (XMLStreamException) t;
         }
         t = t.getCause();
      }
      // Nope, need to re-throw as is
```

```
            throw rex;
        }
    }

    /**
     * Method called to create the very first event (START_DOCUMENT).
     */
    protected XMLEvent createStartDocumentEvent()
        throws XMLStreamException
    {
        XMLEvent start = mAllocator.allocate(mReader);
        return start;
    }

    /*
    //////////////////////////////////////////////////
    // Overridable error reporting methods
    //////////////////////////////////////////////////
     */

    private void throwEndOfInput()
    {
        throw new NoSuchElementException();
    }

    protected void throwUnchecked(XMLStreamException sex)
    {
        /* Wrapped root cause? Let's only unwrap one layer; one that
         * must have been used to expose the problem (if any)
         */
        Throwable t = (sex.getNestedException() == null) ? sex : sex.getNestedException();
        // Unchecked? Can re-throw as is
        if (t instanceof RuntimeException) {
            throw (RuntimeException) t;
        }
        if (t instanceof Error) {
            throw (Error) t;
        }
        // Otherwise, let's just wrap it
        throw new RuntimeException("[was "+t.getClass()+"] "+t.getMessage(), t);
    }

    protected void reportProblem(String msg)
        throws XMLStreamException
    {
        reportProblem(msg, mReader.getLocation());
    }
```

```
  protected void reportProblem(String msg, Location loc)
     throws XMLStreamException
  {
     if (loc == null) {
        throw new XMLStreamException(msg);
     }
     throw new XMLStreamException(msg, loc);
  }

  /*
  //////////////////////////////////////////////////
  // Package methods for sub-classes
  //////////////////////////////////////////////////
   */

  protected XMLStreamReader getStreamReader()
  {
     return mReader;
  }

  /*
  //////////////////////////////////////////////////
  // Other internal methods
  //////////////////////////////////////////////////
   */

  /**
   * Method used to locate error message description to use.
   * Calls sub-classes <code>getErrorDesc()</code> first, and only
   * if no message found, uses default messages defined here.
   */
  private final String findErrorDesc(int errorType, int currEvent)
  {
     String msg = getErrorDesc(errorType, currEvent);
     if (msg != null) {
        return msg;
     }
     switch (errorType) {
     case ERR_GETELEMTEXT_NOT_START_ELEM:
        return "Current state not START_ELEMENT when calling getElementText()";
     case ERR_GETELEMTEXT_NON_TEXT_EVENT:
        return "Expected a text token";
     case ERR_NEXTTAG_NON_WS_TEXT:
        return "Only all-whitespace CHARACTERS/CDATA (or SPACE) allowed for nextTag()";
     case ERR_NEXTTAG_WRONG_TYPE:
        return "Should only encounter START_ELEMENT/END_ELEMENT, SPACE, or all-white-space
CHARACTERS";
     }
```

```
      // should never happen, but it'd be bad to throw another exception...
      return "Internal error (unrecognized error type: "+errorType+")";
    }
}
/* Stax2 API extension for Streaming Api for Xml processing (StAX).
*
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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
package org.codehaus.stax2.ri;

import java.io.IOException;
import java.io.Writer;
import java.math.BigDecimal;
import java.math.BigInteger;

import javax.xml.namespace.NamespaceContext;
import javax.xml.namespace.QName;
import javax.xml.stream.*;

import org.codehaus.stax2.*;
import org.codehaus.stax2.typed.Base64Variant;
import org.codehaus.stax2.typed.Base64Variants;
import org.codehaus.stax2.typed.TypedArrayDecoder;
import org.codehaus.stax2.typed.TypedValueDecoder;
import org.codehaus.stax2.typed.TypedXMLStreamException;
import org.codehaus.stax2.validation.*;

import org.codehaus.stax2.ri.typed.ValueDecoderFactory;

/**
* This is a partial base implementation of {@link XMLStreamReader2},
* the extended stream reader that is part of Stax2.
*/
public abstract class Stax2ReaderImpl
  implements XMLStreamReader2 /* From Stax2 */
        ,AttributeInfo
        ,DTDInfo
```

```
            ,LocationInfo
{
  /**
   * Factory used for constructing decoders we need for typed access
   */
  protected ValueDecoderFactory _decoderFactory;

  /*
  //////////////////////////////////////////////////
  // Life-cycle methods
  //////////////////////////////////////////////////
   */

  protected Stax2ReaderImpl()
  {
  }

  /*
  //////////////////////////////////////////////////
  // XMLStreamReader2 (StAX2) implementation
  //////////////////////////////////////////////////
   */

  // // // StAX2, per-reader configuration

  public Object getFeature(String name)
  {
     // No features defined
     return null;
  }

  public void setFeature(String name, Object value)
  {
     // No features defined
  }

  // NOTE: getProperty() defined in Stax 1.0 interface

  public boolean isPropertySupported(String name) {
     /* No way to cleanly implement this using just Stax 1.0
      * interface, so let's be conservative and decline any knowledge
      * of properties...
      */
     return false;
  }

  public boolean setProperty(String name, Object value)
  {
```

```
    return false; // could throw an exception too
}

// // // StAX2, additional traversal methods

public void skipElement() throws XMLStreamException
{
    if (getEventType() != START_ELEMENT) {
        throwNotStartElem();
    }
    int nesting = 1; // need one more end elements than start elements

    while (true) {
        int type = next();
        if (type == START_ELEMENT) {
            ++nesting;
        } else if (type == END_ELEMENT) {
            if (--nesting == 0) {
                break;
            }
        }
    }
}

// // // StAX2, additional attribute access

public AttributeInfo getAttributeInfo() throws XMLStreamException
{
    if (getEventType() != START_ELEMENT) {
        throwNotStartElem();
    }
    return this;
}

// // // StAX2, Additional DTD access

public DTDInfo getDTDInfo() throws XMLStreamException
{
    if (getEventType() != DTD) {
        return null;
    }
    return this;
}

// // // StAX2, Additional location information

/**
 * Location information is always accessible, for this reader.
```

```
 */
public final LocationInfo getLocationInfo() {
   return this;
}

// // // StAX2, Pass-through text accessors

public int getText(Writer w, boolean preserveContents)
   throws IOException, XMLStreamException
{
   char[] cbuf = getTextCharacters();
   int start = getTextStart();
   int len = getTextLength();

   if (len > 0) {
      w.write(cbuf, start, len);
   }
   return len;
}

// // // StAX 2, Other accessors

/**
 * @return Number of open elements in the stack; 0 when parser is in
 *  prolog/epilog, 1 inside root element and so on.
 */
public abstract int getDepth();

public abstract boolean isEmptyElement() throws XMLStreamException;

public abstract NamespaceContext getNonTransientNamespaceContext();

public String getPrefixedName()
{
   switch (getEventType()) {
   case START_ELEMENT:
   case END_ELEMENT:
      {
         String prefix = getPrefix();
         String ln = getLocalName();

         if (prefix == null) {
            return ln;
         }
         StringBuffer sb = new StringBuffer(ln.length() + 1 + prefix.length());
         sb.append(prefix);
         sb.append(':');
         sb.append(ln);
```

```
            return sb.toString();
          }
        case ENTITY_REFERENCE:
          return getLocalName();
        case PROCESSING_INSTRUCTION:
          return getPITarget();
        case DTD:
          return getDTDRootName();

        }
        throw new IllegalStateException("Current state not START_ELEMENT, END_ELEMENT,
ENTITY_REFERENCE, PROCESSING_INSTRUCTION or DTD");
    }

    public void closeCompletely() throws XMLStreamException
    {
        /* As usual, Stax 1.0 offers no generic way of doing just this.
         * But let's at least call the lame basic close()
         */
        close();
    }

    /*
    ////////////////////////////////////////////////////
    // AttributeInfo implementation (StAX 2)
    ////////////////////////////////////////////////////
     */

    // Already part of XMLStreamReader
    //public int getAttributeCount();

    public int findAttributeIndex(String nsURI, String localName)
    {
        // !!! TBI
        return -1;
    }

    public int getIdAttributeIndex()
    {
        // !!! TBI
        return -1;
    }

    public int getNotationAttributeIndex()
    {
        // !!! TBI
        return -1;
    }
```

```
/*
////////////////////////////////////////////////////
// DTDInfo implementation (StAX 2)
////////////////////////////////////////////////////
 */

public Object getProcessedDTD() {
   return null;
}

public String getDTDRootName() {
   return null;
}

public String getDTDPublicId() {
   return null;
}

public String getDTDSystemId() {
   return null;
}

/**
 * @return Internal subset portion of the DOCTYPE declaration, if any;
 *   empty String if none
 */
public String getDTDInternalSubset() {
   return null;
}

// // StAX2, v2.0

public DTDValidationSchema getProcessedDTDSchema() {
   return null;
}

/*
////////////////////////////////////////////////////
// LocationInfo implementation (StAX 2)
////////////////////////////////////////////////////
 */

// // // First, the "raw" offset accessors:

public long getStartingByteOffset() {
   return -1L;
}
```

```
public long getStartingCharOffset() {
   return 0;
}

public long getEndingByteOffset() throws XMLStreamException
{
   return -1;
}

public long getEndingCharOffset() throws XMLStreamException
{
   return -1;
}

// // // and then the object-based access methods:

public abstract XMLStreamLocation2 getStartLocation();

public abstract XMLStreamLocation2 getCurrentLocation();

public abstract XMLStreamLocation2 getEndLocation()
   throws XMLStreamException;

/*
//////////////////////////////////////////////////
// Stax2 validation
//////////////////////////////////////////////////
 */

public XMLValidator validateAgainst(XMLValidationSchema schema)
   throws XMLStreamException
{
   throwUnsupported();
   return null;
}

public XMLValidator stopValidatingAgainst(XMLValidationSchema schema)
   throws XMLStreamException
{
   throwUnsupported();
   return null;
}

public XMLValidator stopValidatingAgainst(XMLValidator validator)
   throws XMLStreamException
{
   throwUnsupported();
```

```
    return null;
}

public abstract ValidationProblemHandler setValidationProblemHandler(ValidationProblemHandler h);

/*
//////////////////////////////////////////////////////
// TypedXMLStreamReader, scalar elements
//////////////////////////////////////////////////////
 */

public boolean getElementAsBoolean() throws XMLStreamException
{
    ValueDecoderFactory.BooleanDecoder dec = _decoderFactory().getBooleanDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public int getElementAsInt() throws XMLStreamException
{
    ValueDecoderFactory.IntDecoder dec = _decoderFactory().getIntDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public long getElementAsLong() throws XMLStreamException
{
    ValueDecoderFactory.LongDecoder dec = _decoderFactory().getLongDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public float getElementAsFloat() throws XMLStreamException
{
    ValueDecoderFactory.FloatDecoder dec = _decoderFactory().getFloatDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public double getElementAsDouble() throws XMLStreamException
{
    ValueDecoderFactory.DoubleDecoder dec = _decoderFactory().getDoubleDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public BigInteger getElementAsInteger() throws XMLStreamException
{
```

```
    ValueDecoderFactory.IntegerDecoder dec = _decoderFactory().getIntegerDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public BigDecimal getElementAsDecimal() throws XMLStreamException
{
    ValueDecoderFactory.DecimalDecoder dec = _decoderFactory().getDecimalDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public QName getElementAsQName() throws XMLStreamException
{
    ValueDecoderFactory.QNameDecoder dec = _decoderFactory().getQNameDecoder(getNamespaceContext());
    getElementAs(dec);
    // !!! Should we try to verify validity of name chars?
    return dec.getValue();
}

public byte[] getElementAsBinary() throws XMLStreamException
{
    return getElementAsBinary(Base64Variants.getDefaultVariant());
}

// !!! TODO: copy code from Stax2ReaderAdapter?
public abstract byte[] getElementAsBinary(Base64Variant v) throws XMLStreamException;

public void getElementAs(TypedValueDecoder tvd) throws XMLStreamException
{
    String value = getElementText();
    try {
        tvd.decode(value);
    } catch (IllegalArgumentException iae) {
        throw _constructTypeException(iae, value);
    }
}

/*
//////////////////////////////////////////////////////
// TypedXMLStreamReader2 implementation, array elements
//////////////////////////////////////////////////////
 */

public int readElementAsIntArray(int[] value, int from, int length) throws XMLStreamException
{
    return readElementAsArray(_decoderFactory().getIntArrayDecoder(value, from, length));
}
```

```
public int readElementAsLongArray(long[] value, int from, int length) throws XMLStreamException
{
   return readElementAsArray(_decoderFactory().getLongArrayDecoder(value, from, length));
}

public int readElementAsFloatArray(float[] value, int from, int length) throws XMLStreamException
{
   return readElementAsArray(_decoderFactory().getFloatArrayDecoder(value, from, length));
}

public int readElementAsDoubleArray(double[] value, int from, int length) throws XMLStreamException
{
   return readElementAsArray(_decoderFactory().getDoubleArrayDecoder(value, from, length));
}

/**
 * Actual implementation needs to implement tokenization and state
 * keeping.
 *<p>
 * !!! TODO: should be possible to implement completely
 */
public abstract int readElementAsArray(TypedArrayDecoder dec)
   throws XMLStreamException;

/*
//////////////////////////////////////////////////////
// TypedXMLStreamReader2 implementation, binary data
//////////////////////////////////////////////////////
 */

public int readElementAsBinary(byte[] resultBuffer, int offset, int maxLength)
   throws XMLStreamException
{
   return readElementAsBinary(Base64Variants.getDefaultVariant(), resultBuffer, offset, maxLength);
}

public abstract int readElementAsBinary(Base64Variant b64variant, byte[] resultBuffer, int offset, int maxLength)
   throws XMLStreamException;

/*
//////////////////////////////////////////////////////
// TypedXMLStreamReader2 implementation, scalar attributes
//////////////////////////////////////////////////////
 */

public abstract int getAttributeIndex(String namespaceURI, String localName);
```

```
public boolean getAttributeAsBoolean(int index) throws XMLStreamException
{
   ValueDecoderFactory.BooleanDecoder dec = _decoderFactory().getBooleanDecoder();
   getAttributeAs(index, dec);
   return dec.getValue();
}

public int getAttributeAsInt(int index) throws XMLStreamException
{
   ValueDecoderFactory.IntDecoder dec = _decoderFactory().getIntDecoder();
   getAttributeAs(index, dec);
   return dec.getValue();
}

public long getAttributeAsLong(int index) throws XMLStreamException
{
   ValueDecoderFactory.LongDecoder dec = _decoderFactory().getLongDecoder();
   getAttributeAs(index, dec);
   return dec.getValue();
}

public float getAttributeAsFloat(int index) throws XMLStreamException
{
   ValueDecoderFactory.FloatDecoder dec = _decoderFactory().getFloatDecoder();
   getAttributeAs(index, dec);
   return dec.getValue();
}

public double getAttributeAsDouble(int index) throws XMLStreamException
{
   ValueDecoderFactory.DoubleDecoder dec = _decoderFactory().getDoubleDecoder();
   getAttributeAs(index, dec);
   return dec.getValue();
}

public BigInteger getAttributeAsInteger(int index) throws XMLStreamException
{
   ValueDecoderFactory.IntegerDecoder dec = _decoderFactory().getIntegerDecoder();
   getAttributeAs(index, dec);
   return dec.getValue();
}

public BigDecimal getAttributeAsDecimal(int index) throws XMLStreamException
{
   ValueDecoderFactory.DecimalDecoder dec = _decoderFactory().getDecimalDecoder();
   getAttributeAs(index, dec);
   return dec.getValue();
}
```

```
public QName getAttributeAsQName(int index) throws XMLStreamException
{
   ValueDecoderFactory.QNameDecoder dec = _decoderFactory().getQNameDecoder(getNamespaceContext());
   getAttributeAs(index, dec);
   // !!! Should we try to verify validity of name chars?
   return dec.getValue();
}

public void getAttributeAs(int index, TypedValueDecoder tvd) throws XMLStreamException
{
   String value = getAttributeValue(index);
   try {
      tvd.decode(value);
   } catch (IllegalArgumentException iae) {
      throw _constructTypeException(iae, value);
   }
}

public int[] getAttributeAsIntArray(int index) throws XMLStreamException
{
   ValueDecoderFactory.IntArrayDecoder dec = _decoderFactory().getIntArrayDecoder();
   getAttributeAsArray(index, dec);
   return dec.getValues();
}

public long[] getAttributeAsLongArray(int index) throws XMLStreamException
{
   ValueDecoderFactory.LongArrayDecoder dec = _decoderFactory().getLongArrayDecoder();
   getAttributeAsArray(index, dec);
   return dec.getValues();
}

public float[] getAttributeAsFloatArray(int index) throws XMLStreamException
{
   ValueDecoderFactory.FloatArrayDecoder dec = _decoderFactory().getFloatArrayDecoder();
   getAttributeAsArray(index, dec);
   return dec.getValues();
}

public double[] getAttributeAsDoubleArray(int index) throws XMLStreamException
{
   ValueDecoderFactory.DoubleArrayDecoder dec = _decoderFactory().getDoubleArrayDecoder();
   getAttributeAsArray(index, dec);
   return dec.getValues();
}

/**
```

```
     * Actual implementation needs to implement tokenization.
     *<p>
     * !!! TODO: should be possible to implement completely
     */
    public abstract int getAttributeAsArray(int index, TypedArrayDecoder tad) throws XMLStreamException;

    public byte[] getAttributeAsBinary(int index) throws XMLStreamException
    {
        return getAttributeAsBinary(Base64Variants.getDefaultVariant(), index);
    }

    public abstract byte[] getAttributeAsBinary(Base64Variant v, int index) throws XMLStreamException;

    /*
    //////////////////////////////////////////////////////
    // Package methods
    //////////////////////////////////////////////////////
     */

    protected ValueDecoderFactory _decoderFactory()
    {
        if (_decoderFactory == null) {
            _decoderFactory = new ValueDecoderFactory();
        }
        return _decoderFactory;
    }

    protected TypedXMLStreamException _constructTypeException(IllegalArgumentException iae, String
lexicalValue)
    {
        return new TypedXMLStreamException(lexicalValue, iae.getMessage(), getStartLocation(), iae);
    }

    /*
    //////////////////////////////////////////////////////
    // Internal methods
    //////////////////////////////////////////////////////
     */

    protected void throwUnsupported()
        throws XMLStreamException
    {
        throw new XMLStreamException("Unsupported method");
    }

    protected void throwNotStartElem()
    {
        throw new IllegalStateException("Current state not START_ELEMENT");
```

```
  }
}
/* Stax2 API extension for Streaming Api for Xml processing (StAX).
*
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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
* See the License for the specific language governing permissions and
* limitations under the License.
*/
package org.codehaus.stax2.ri;

import javax.xml.stream.*;

import org.codehaus.stax2.*;
import org.codehaus.stax2.validation.*;

/**
* This is a partial base implementation of {@link XMLStreamWriter2},
* the extended stream writer that is part of Stax2.
*/
public abstract class Stax2WriterImpl
  implements XMLStreamWriter2 /* From Stax2 */
          ,XMLStreamConstants
{
  /*
  //////////////////////////////////////////////////////////
  // Life-cycle methods
  //////////////////////////////////////////////////////////
   */

  protected Stax2WriterImpl() { }

  /*
  //////////////////////////////////////////////////////////
  // XMLStreamWriter2 (StAX2) implementation
  //////////////////////////////////////////////////////////
   */

  public boolean isPropertySupported(String name)
  {
     /* No base properties (or should we have something for impl
```

```
     * name, version?)
     */
    return false;
}

public boolean setProperty(String name, Object value)
{
    throw new IllegalArgumentException("No settable property '"+name+"'");
}

public abstract XMLStreamLocation2 getLocation();

public abstract String getEncoding();

public void writeCData(char[] text, int start, int len)
    throws XMLStreamException
{
    writeCData(new String(text, start, len));
}

public void writeDTD(String rootName, String systemId, String publicId,
                     String internalSubset)
    throws XMLStreamException
{
    /* This may or may not work... depending on how well underlying
     * implementation follows stax 1.0 spec (it should work)
     */
    StringBuffer sb = new StringBuffer();
    sb.append("<!DOCTYPE");
    sb.append(rootName);
    if (systemId != null) {
        if (publicId != null) {
            sb.append(" PUBLIC \"");
            sb.append(publicId);
            sb.append("\" \"");
        } else {
            sb.append(" SYSTEM \"");
        }
        sb.append(systemId);
        sb.append("");
    }
    // Hmmh. Should we output empty internal subset?
    if (internalSubset != null && internalSubset.length() > 0) {
        sb.append(" [");
        sb.append(internalSubset);
        sb.append(']');
    }
    sb.append('>');
```

```
    writeDTD(sb.toString());
}

public void writeFullEndElement()
    throws XMLStreamException
{
    /* This should work with base Stax 1.0 implementations.
     * Sub-classes are, however, encouraged to implement it
     * more directly, if possible.
     */
    writeCharacters("");
    writeEndElement();
}

public void writeSpace(String text)
    throws XMLStreamException
{
    /* Hmmh. Two choices: either try to write as regular characters,
     * or output as is via raw calls. Latter would be safer, if we
     * had access to it; former may escape incorrectly.
     * While this may not be optimal, let's try former
     */
    writeRaw(text);
}

public void writeSpace(char[] text, int offset, int length)
    throws XMLStreamException
{
    // See comments above...
    writeRaw(text, offset, length);
}

public abstract void writeStartDocument(String version, String encoding,
                                        boolean standAlone)
    throws XMLStreamException;

/*
////////////////////////////////////////////////////////////
// Stax2, Pass-through methods
////////////////////////////////////////////////////////////
*/

public void writeRaw(String text)
    throws XMLStreamException
{
    writeRaw(text, 0, text.length());
}
```

```
public abstract void writeRaw(String text, int offset, int len)
   throws XMLStreamException;

public abstract void writeRaw(char[] text, int offset, int length)
   throws XMLStreamException;

public void copyEventFromReader(XMLStreamReader2 sr, boolean preserveEventData)
   throws XMLStreamException
{
   switch (sr.getEventType()) {
   case START_DOCUMENT:
      {
         String version = sr.getVersion();
         /* No real declaration? If so, we don't want to output
          * anything, to replicate as closely as possible the
          * source document
          */
         if (version == null || version.length() == 0) {
            ; // no output if no real input
         } else {
            if (sr.standaloneSet()) {
               writeStartDocument(sr.getVersion(),
                                  sr.getCharacterEncodingScheme(),
                                  sr.isStandalone());
            } else {
               writeStartDocument(sr.getCharacterEncodingScheme(),
                                  sr.getVersion());
            }
         }
      }
      return;

   case END_DOCUMENT:
      writeEndDocument();
      return;

      // Element start/end events:
   case START_ELEMENT:
      /* Start element is bit trickier to output since there
       * may be differences between repairing/non-repairing
       * writers. But let's try a generic handling here.
       */
      copyStartElement(sr);
      return;

   case END_ELEMENT:
      writeEndElement();
      return;
```

```
        case SPACE:
            writeSpace(sr.getTextCharacters(), sr.getTextStart(), sr.getTextLength());
            return;

        case CDATA:
            writeCData(sr.getTextCharacters(), sr.getTextStart(), sr.getTextLength());
            return;

        case CHARACTERS:
            writeCharacters(sr.getTextCharacters(), sr.getTextStart(), sr.getTextLength());
            return;

        case COMMENT:
            writeComment(sr.getText());
            return;

        case PROCESSING_INSTRUCTION:
            writeProcessingInstruction(sr.getPITarget(), sr.getPIData());
            return;

        case DTD:
            {
                DTDInfo info = sr.getDTDInfo();
                if (info == null) {
                    /* Hmmmh. Can this happen for non-DTD-aware readers?
                     * And if so, what should we do?
                     */
                    throw new XMLStreamException("Current state DOCTYPE, but not DTDInfo Object returned -- reader
doesn't support DTDs?");
                }
                writeDTD(info.getDTDRootName(), info.getDTDSystemId(),
                        info.getDTDPublicId(), info.getDTDInternalSubset());
            }
            return;

        case ENTITY_REFERENCE:
            writeEntityRef(sr.getLocalName());
            return;

        case ATTRIBUTE:
        case NAMESPACE:
        case ENTITY_DECLARATION:
        case NOTATION_DECLARATION:
            // Let's just fall back to throw the exception
        }
        throw new XMLStreamException("Unrecognized event type ("
                                +sr.getEventType()+"); not sure how to copy");
```

```
}

/*
////////////////////////////////////////////////////
// Stax2, validation
////////////////////////////////////////////////////
*/

public XMLValidator validateAgainst(XMLValidationSchema schema)
   throws XMLStreamException
{
   throw new UnsupportedOperationException("Not yet implemented");
}

public XMLValidator stopValidatingAgainst(XMLValidationSchema schema)
   throws XMLStreamException
{
   return null;
}

public XMLValidator stopValidatingAgainst(XMLValidator validator)
   throws XMLStreamException
{
   return null;
}

public ValidationProblemHandler setValidationProblemHandler(ValidationProblemHandler h)
{
   /* Not a real problem: although we can't do anything with it
    * (without real validator integration)
    */
   return null;
}

/*
////////////////////////////////////////////////////
// Helper methods
////////////////////////////////////////////////////
*/

/**
 * Basic implementation of copy operation. It is likely that
 * sub-classes can implement more efficient copy operations: if so,
 * they should do so.
 */
protected void copyStartElement(XMLStreamReader sr)
   throws XMLStreamException
{
```

```
        // Any namespace declarations/bindings?
        int nsCount = sr.getNamespaceCount();
        if (nsCount > 0) { // yup, got some...
            /* First, need to (or at least, should?) add prefix bindings:
             * (may not be 100% required, but probably a good thing to do,
             * just so that app code has access to prefixes then)
             */
            for (int i = 0; i < nsCount; ++i) {
                String prefix = sr.getNamespacePrefix(i);
                String uri = sr.getNamespaceURI(i);
                if (prefix == null || prefix.length() == 0) { // default NS
                    setDefaultNamespace(uri);
                } else {
                    setPrefix(prefix, uri);
                }
            }
        }
        writeStartElement(sr.getPrefix(), sr.getLocalName(), sr.getNamespaceURI());

        if (nsCount > 0) {
            // And then output actual namespace declarations:
            for (int i = 0; i < nsCount; ++i) {
                String prefix = sr.getNamespacePrefix(i);
                String uri = sr.getNamespaceURI(i);

                if (prefix == null || prefix.length() == 0) { // default NS
                    writeDefaultNamespace(uri);
                } else {
                    writeNamespace(prefix, uri);
                }
            }
        }

        /* And then let's just output attributes. But should we copy the
         * implicit attributes (created via attribute defaulting?)
         */
        int attrCount = sr.getAttributeCount();
        if (attrCount > 0) {
            for (int i = 0; i < attrCount; ++i) {
                writeAttribute(sr.getAttributePrefix(i),
                               sr.getAttributeNamespace(i),
                               sr.getAttributeLocalName(i),
                               sr.getAttributeValue(i));
            }
        }
    }
}
```

1.232 Streaming API for XML 1.0-2

1.232.1 Available under license :

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*

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   o

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   o

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   o

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   o

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   o

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lib/csharp/src/Protocol/TBinaryProtocol.cs

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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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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.

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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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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.

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1.242 woodstox-core-asl 4.1.4

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(8.6.12+cwru/CWRU-2.1-ins)
 id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995
12:07:51 -0400
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 id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

  I've modified a (modified) version of Bill Rosenblatt's ksh debugger
  to work with bash-2.0. Does ORA have any problem with me distributing
  it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and
stick it in our ftp archive, and put a reference to it in the book.
(Too late to actually discuss the thing, at least for this edition).

From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
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 id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with

SMTP (8.6.10+cwru/CWRU-2.3)
 id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
    "ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcecdt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

   Sure. The canonical versions are available on ftp.armory.com; you might
want to pick up the latest versions before modifying them.

     John

On May 9, 1:36pm, Chet Ramey wrote:
} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
}   9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} ``The lyf so short, the craft so long to lerne." - Chaucer

}
} Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+cwru/CWRU-2.1-ins)
 id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
 id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
 id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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2.8 debianutils 4.4

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2.9 dpkg 1.17.21

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2.10 dropbear 2014-66 :19 February 2014

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=====

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atomicio.h
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*
* curve25519-donna: Curve25519 elliptic curve, public key function
*
* http://code.google.com/p/curve25519-donna/
*
* Adam Langley <agl@imperialviolet.org>
*
* Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>
*
* More information about curve25519 can be found here
* http://cr.yp.to/ecdh.html
*
* djb's sample implementation of curve25519 is written in a special assembly
* language called qhasm and uses the floating point registers.
*
* This is, almost, a clean room reimplementation from the curve25519 paper. It
* uses many of the tricks described therein. Only the crecip function is taken
* from the sample implementation.
*/

2.11 gcc 4.9.2 :2014-10-30

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2.12 glibc 2.21

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@subheading END OF TERMS AND CONDITIONS

@page
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2.16 jq 1.4

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2.17 kmod 19

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2.18 less 471.0

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*/

/*
* This program is used to determine the screen dimensions on OS/2 systems.
* Adapted from code written by Kyosuke Tokoro (NBG01720@nifty.ne.jp).
*/

/*
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/*
* Routines dealing with signals.
*
* A signal usually merely causes a bit to be set in the "signals" word.
* At some convenient time, the mainline code checks to see if any
* signals need processing by calling psignal().
* If we happen to be reading from a file [in iread()] at the time
* the signal is received, we call intread to interrupt the iread.
*/
/*
* regcomp and regexec -- regsub and regerror are elsewhere
*
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* be misrepresented as being the original software.
*
* 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. ***
* Slightly modified by David MacKenzie to undo most of the changes for TCL.
* Added regexec2 with notbol parameter. -- 4/19/99 Mark Nudelman
*/
Less, version 471

This is the distribution of less, version 471, released 14 Dec 2014.
This program is part of the GNU project (http://www.gnu.org).

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2.19 libcurl 7.40.0

2.19.1 Available under license :

License Mixing with apps, libcurl and Third Party Libraries

==========

libcurl can be built to use a fair amount of various third party libraries,
libraries that are written and provided by other parties that are distributed
using their own licenses. Even libcurl itself contains code that may cause
problems to some. This document attempts to describe what licenses libcurl and

the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that GPL[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an exception[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

libcurl http://curl.haxx.se/docs/copyright.html

> Uses an MIT (or Modified BSD)-style license that is as liberal as possible.

OpenSSL http://www.openssl.org/source/license.html

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GnuTLS http://www.gnutls.org/

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yassl http://www.yassl.com/

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axTLS http://axtls.sourceforge.net/

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c-ares http://daniel.haxx.se/projects/c-ares/license.html

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

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libidn http://josefsson.org/libidn/

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OpenLDAP http://www.openldap.org/software/release/license.html

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

libssh2 http://www.libssh2.org/

(Used for scp and sftp support) libssh2 uses a Modified BSD-style
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2.20 libssh 0.6.4+git0+3880a8ed80

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2.22 Linux-PAM\modules 1.1.6-r5

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2.23 ncurses 5.9 :r15.1

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2.24 netbase 5.3

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/*-
* easy-tls.c -- generic TLS proxy.
* $Id: easy-tls.c,v 1.4 2002/03/05 09:07:16 bodo Exp $
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*
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2.27 perl 5.20.0

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2.28 resolvconf 1.76 :r0

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2.31 shadow-securetty 4.2.1 :r3

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2.32 sudo 1.8.11p2

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Adler, Mark
Allbery, Russ
Anderson, Jamie
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Warburton, John
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Wieringen, Marco van
Winiger, Gary
Wood, David
Zacarias, Gustavo
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The following people have worked to translate sudo into other languages:

Blttermann, Mario

Bogusz, Jakub
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2.33 sysvinit 2.88dsf :r14

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
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*
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*
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2.38 udev_LGPLv2.1 182

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That's all there is to it!

2.39 update-rc.d 0.7

2.39.1 Available under license :

```
#!/bin/sh
#
# update-rc.d Update the links in /etc/rc[0-9S].d/
#
# (c) 2003, 2004 Phil Blundell <pb@handhelds.org>
#
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initd="/etc/init.d"
```

```
etcd="/etc/rc"
notreally=0
force=0
dostart=0
verbose=0

usage()
{
 cat >&2 <<EOF
usage: update-rc.d [-n] [-f] [-r <root>] <basename> remove
      update-rc.d [-n] [-r <root>] [-s] <basename> defaults [NN | sNN kNN]
      update-rc.d [-n] [-r <root>] [-s] <basename> start|stop NN runlvl [runlvl] [...] .
  -n: not really
  -f: force
  -v: verbose
  -r: alternate root path (default is /)
  -s: invoke start methods if appropriate to current runlevel
EOF
}

checklinks()
{
 local i dn fn remove=0
 if [ "x$1" = "xremove" ]; then
  echo " Removing any system startup links for $bn ..."
  remove=1
 fi

 for i in 0 1 2 3 4 5 6 7 8 9 S; do
  dn="${etcd}${i}.d"
  if [ ! -d $dn ]; then
   continue;
  fi
  for f in ${dn}/[SK]??${bn}; do
   if [ -L $f ]; then
    if [ $remove -eq 0 ]; then
     return 1
    fi
    echo "  $f"
    if [ $notreally -eq 1 ]; then
     continue
    fi
    rm $f
   fi
  done
 done

 return 0
```

```
}

dolink()
{
 startstop=$1
 lev=`echo $2 | cut -d/ -f1`
 nn=`echo $2 | cut -d/ -f2`
 fn="${etcd}${lev}.d/${startstop}${nn}${bn}"
 [ $verbose -eq 1 ] && echo "  $fn -> ../init.d/$bn"
 if [ $notreally -eq 0 ]; then
  mkdir -p `dirname $fn`
  ln -s ../init.d/$bn $fn
 fi
 if [ $dostart -eq 1 ] && [ $startstop = "S" ] && [ $lev = $RUNLEVEL ]; then
  $fn start || true
 fi
}

makelinks()
{
 if ! checklinks; then
  echo " System startup links for $initd/$bn already exist."
  if [ $dostart -eq 1 ] && [ $notreally -eq 0 ] && [ -L ${etcd}${RUNLEVEL}.d/S??${bn} ]; then
   ${etcd}${RUNLEVEL}.d/S??${bn} restart || true
  fi
  exit 0
 fi

 echo " Adding system startup for $initd/$bn."

 for i in $startlinks; do
  dolink S $i
 done
 for i in $stoplinks; do
  dolink K $i
 done
}

while [ $# -gt 0 ]; do
 case $1 in
  -n) notreally=1
   shift
   continue
   ;;
  -v) verbose=1
   shift
   continue
   ;;
```

```
  -f) force=1
   shift
   continue
   ;;
  -s) dostart=1
   shift
   continue
   ;;
  -r)     shift
   root=$1
   initd="${root}${initd}"
   etcd="${root}${etcd}"
   shift
   ;;
  -h | --help)
   usage
   exit 0
   ;;
  -*)
   usage
   exit 1
   ;;
  *)
   break
   ;;
 esac
done

if [ $# -lt 2 ]; then
 usage
 exit 1
fi

bn=$1
shift

sn=$initd/$bn
if [ -L "$sn" -a -n "$root" ]; then
 if which readlink >/dev/null; then
  while true; do
   linksn="$(readlink "$sn")"
   if [ -z "$linksn" ]; then
    break
   fi

   sn="$linksn"
   case "$sn" in
    /*) sn="$root$sn" ;;
```

```
   *)  sn="$initd/$sn" ;;
  esac
 done
else
 echo "update-rc.d: readlink tool not present, cannot check whether \
  $sn symlink points to a valid file." >&2
fi
fi

if [ $1 != "remove" ]; then
 if [ ! -f "$sn" ]; then
  echo "update-rc.d: $initd/$bn: file does not exist" >&2
  exit 1
 fi
else
 if [ -f "$sn" ]; then
  if [ $force -eq 1 ]; then
   echo "update-rc.d: $initd/$bn exists during rc.d purge (continuing)" >&2
  else
   echo "update-rc.d: $initd/$bn exists during rc.d purge (use -f to force)" >&2
   exit 1
  fi
 fi
fi

if [ $dostart -eq 1 ]; then
 #RUNLEVEL=`sed 's/.*\[\(.*\)\]/\1/' < /proc/1/cmdline`
 RUNLEVEL=`runlevel | cut -d" " -f2`
 if [ "x$RUNLEVEL" = "x" ]; then
  echo "Unable to determine current runlevel" >&2
  exit 1
 fi
fi

case $1 in
 remove)
  checklinks "remove"
  ;;

 defaults)
  if [ $# -gt 3 ]; then
   echo "defaults takes only one or two arguments" >&2
   usage
   exit 1
  fi
  start=20
  stop=20
  if [ $# -gt 1 ]; then
```

```
 start=$2
 stop=$2
fi
if [ $# -gt 2 ]; then
 stop=$3
fi
start=`printf %02d $start`
stop=`printf %02d $stop`
stoplinks="0/$stop 1/$stop 6/$stop"
startlinks="2/$start 3/$start 4/$start 5/$start"
makelinks
;;

start | stop)
while [ $# -gt 0 ]; do
 if [ $1 = "start" ]; then
  letter=S
 elif [ $1 = "stop" ]; then
  letter=K
 else
  echo "expected start or stop" >&2
  usage
  exit 1
 fi
 shift
 NN=`printf %02d $(expr $1 + 0)`
 shift
 while [ "x$1" != "x." ]; do
  if [ $# -eq 0 ]; then
   echo "action with list of runlevels not terminated by \`." >&2
   exit 1
  fi
  level=$1
  shift
  case $letter in
   S) startlinks="$startlinks $level/$NN" ;;
   K) stoplinks="$stoplinks $level/$NN" ;;
  esac
 done
 shift
done
makelinks
;;

*)
 usage
 exit 1
 ;;
```

esac

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Version 2, June 1991

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2.40 util-linux 2.25.2

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Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 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
2d8e8dff51a88a045db233418dd73fbe 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
2e1cee529cb59c9341afef0443f196a1 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
partitions: 4

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):
---

b5c121c2091b2ff26b880551feac7112 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
partitions: 4

Slice Start End Sectors Size Type Fsize Bsize Cpg
a 4096 6144 2049 1M 4.2BSD 0 0 0

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):

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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Version 2, June 1991

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*/
/* tailf.c -- tail a log file and then follow it
* Created: Tue Jan  9 15:49:21 1996 by faith@acm.org
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*
* less -F and tail -f cause a disk access every five seconds.  This
* program avoids this problem by waiting for the file size to change.
* Hence, the file is not accessed, and the access time does not need to be
* flushed back to disk.  This is sort of a "stealth" tail.
*/
/*
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*/
#ifndef UTIL_LINUX_CPUSET_H
#define UTIL_LINUX_CPUSET_H

#include <sched.h>

/*
* Fallback for old or obscure libcs without dynamically allocated cpusets
*
* The following macros are based on code from glibc.
*
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* modify it under the terms of the GNU Lesser General Public
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*/
/***
 First set of functions in this file are part of systemd, and were
 copied to util-linux at August 2013.

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 under the terms of the GNU Lesser General Public License as published by
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```

2.41 v86d 0.1.10

2.41.1 Available under license :

```
CFLAGS = -g -Wall
RANLIB = ranlib
OS != uname -s

sources = lrmi.c lrmi.h
objects = lrmi.o
pic_objects = lrmi.lo
all = liblrmi.a liblrmi.so vbetest
.if ${OS}=="NetBSD" || ${OS}=="OpenBSD"
libs= -li386
.endif

all: $(all)

.c.o:
 $(CC) -c $(CPPFLAGS) $(CFLAGS) -o ${.TARGET} ${.IMPSRC}

.SUFFIXES: .lo
```

```
.c.lo:
 $(CC) -c $(CPPFLAGS) $(CFLAGS) -fPIC -o ${.TARGET} ${.IMPSRC}

liblrmi.a: $(objects)
 $(AR) -r ${.TARGET} ${.ALLSRC}
 $(RANLIB) ${.TARGET}

liblrmi.so: $(pic_objects)
 $(CC) $(CPPFLAGS) $(CFLAGS) -fPIC -shared -o ${.TARGET} ${.ALLSRC} ${libs}

vbetest: vbetest.o liblrmi.a
 $(CC) $(CPPFLAGS) $(CFLAGS) -o ${.TARGET} ${.ALLSRC} ${libs}

.PHONY: clean
clean:
 rm -f $(objects) $(pic_objects) vbetest.o $(all) *.core
```

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2.42 xz 5.2.0

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==========

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#SET_PATH - This line is a placeholder to ease patching this script.

```
# Instead of unsetting XZ_OPT, just make sure that xz will use file format
# autodetection. This way memory usage limit and thread limit can be
# specified via XZ_OPT. With gzip, bzip2, and lzop it's OK to just unset the
# environment variables.
#!/bin/sh
# install - install a program, script, or datafile

scriptversion=2011-11-20.07; # UTC

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#
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2.43 zlib 1.2.8

2.43.1 Available under license :

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.8, April 28th, 2013

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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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```

2.44 zlib 1.2.8

2.44.1 Available under license :

```
/* zlib.h -- interface of the 'zlib' general purpose compression library
  version 1.2.8, April 28th, 2013

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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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