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Contents

1.1 acl 2.2.49-4

1.1.1 Available under license

1.2 adduser 3.112+nmu2

1.2.1 Available under license

1.3 alsa-lib 1.0.23-2.1

1.3.1 Available under license

1.4 alsa-tools 1.0.23-3+b1

1.4.1 Available under license

1.5 antlr 2.7.6

1.5.1 Available under license

1.6 Apache Commons Collections 3.1

1.6.1 Available under license

1.7 Apache Commons Fileupload 1.2.2

1.7.1 Available under license

1.8 Apache Commons Lib Apache 2.0

1.8.1 Available under license

1.9 Apache Commons Lib Apache 2.0

1.9.1 Available under license

1.10 Apache Commons Lib Apache 2.0

1.10.1 Available under license

1.11 Apache Jakarta Commons HttpClient 3.1

1.11.1 Available under license

1.12 apt 0.8.10.3+squeeze1

1.12.1 Available under license

1.13 apt-show-versions 0.16+squeeze1

1.13.1 Available under license

- 1.14 arptables 0.0.3.4-1**
 - 1.14.1 Available under license
- 1.15 asm 3.3.1**
 - 1.15.1 Available under license
- 1.16 asm 2.2.3**
 - 1.16.1 Available under license
- 1.17 atftp 0.7.dfsg-6**
 - 1.17.1 Available under license
- 1.18 atftp 0.7.dfsg-9.1**
 - 1.18.1 Available under license
- 1.19 atk1.0 1.30.0-1**
 - 1.19.1 Available under license
- 1.20 attr 1:2.4.44-2**
 - 1.20.1 Available under license
- 1.21 audit 1:1.7.18-1.1**
 - 1.21.1 Available under license
- 1.22 aufs-tools 20100601-1**
 - 1.22.1 Available under license
- 1.23 avahi 0.6.31-2**
 - 1.23.1 Available under license
- 1.24 axis 1.4**
 - 1.24.1 Available under license
- 1.25 axis-jaxrpc 1.4**
 - 1.25.1 Available under license
- 1.26 Axis2 1.6.1**
 - 1.26.1 Available under license
- 1.27 base-files 6.0squeeze7**
 - 1.27.1 Available under license
- 1.28 base-passwd 3.5.22**
 - 1.28.1 Available under license
- 1.29 bash 4.1-3**
 - 1.29.1 Available under license
- 1.30 bash-completion 1:1.2-3**
 - 1.30.1 Available under license
- 1.31 bcprov-jdk15 1.43**
- 1.32 bind9 1:9.8.4.dfsg.P1-6+nmu2+deb7u1**
 - 1.32.1 Available under license
- 1.33 birt 2.5.2**
 - 1.33.1 Available under license

- 1.34 bridge-utils 1.4-5**
 - 1.34.1 Available under license
- 1.35 bsdmainutils 8.0.13**
 - 1.35.1 Available under license
- 1.36 bsduutils 1:2.17.2-9**
 - 1.36.1 Available under license
- 1.37 busybox 1:1.17.1-8**
 - 1.37.1 Available under license
- 1.38 bzip2 1.0.5-6+squeeze1**
 - 1.38.1 Available under license
- 1.39 ca-certificates 20090814+nmu3squeeze1**
 - 1.39.1 Available under license
- 1.40 cairo 1.8.10-6**
 - 1.40.1 Available under license
- 1.41 cglib-nodep 2.1_3**
 - 1.41.1 Available under license
- 1.42 cl-asdf 2:2.011-1**
 - 1.42.1 Available under license
- 1.43 cl-ppcre 2.0.1-2**
 - 1.43.1 Available under license
- 1.44 clisp 1:2.48-3**
 - 1.44.1 Available under license
- 1.45 common-lisp-controller 7.6**
 - 1.45.1 Available under license
- 1.46 Commons Net 1.4.0**
 - 1.46.1 Available under license
- 1.47 Commons Pool 1.5.6 :1.5.6**
 - 1.47.1 Available under license
- 1.48 commons-collections 3.2.1**
 - 1.48.1 Available under license
- 1.49 commons-dbcp (DUPLICATE) 1.4**
 - 1.49.1 Available under license
- 1.50 commons-discovery 0.4**
 - 1.50.1 Available under license
- 1.51 commons-el 1.0**
 - 1.51.1 Notifications
 - 1.51.2 Available under license
- 1.52 commons-exec 1.1**
 - 1.52.1 Available under license

- 1.53 commons-io.jar 1.4**
 - 1.53.1 Available under license
- 1.54 contrack 1:0.9.14-2**
 - 1.54.1 Available under license
- 1.55 console-setup 1.88**
 - 1.55.1 Available under license
- 1.56 coreutils 8.5-1**
 - 1.56.1 Available under license
- 1.57 cpio 2.11-4**
 - 1.57.1 Available under license
- 1.58 cpp 4:4.4.5-1**
 - 1.58.1 Available under license
- 1.59 cron 3.0pl1-116**
 - 1.59.1 Available under license
- 1.60 cssparser 0.9.5**
 - 1.60.1 Available under license
- 1.61 csv2xml 1.0.1**
 - 1.61.1 Available under license
- 1.62 cups 1.3.8-1+lenny8**
 - 1.62.1 Available under license
- 1.63 curl 7.18.2-8lenny4**
 - 1.63.1 Available under license
- 1.64 cxf-api 2.2.11**
 - 1.64.1 Available under license
- 1.65 cxf-common-schemas 2.2.11**
 - 1.65.1 Available under license
- 1.66 cxf-common-utilities 2.2.11**
 - 1.66.1 Available under license
- 1.67 cxf-rt-bindings-soap 2.2.11**
 - 1.67.1 Available under license
- 1.68 cxf-rt-bindings-xml 2.2.11**
 - 1.68.1 Available under license
- 1.69 cxf-rt-core 2.2.11**
 - 1.69.1 Available under license
- 1.70 cxf-rt-databinding-aegis 2.2.11**
 - 1.70.1 Available under license
- 1.71 cxf-rt-databinding-jaxb 2.2.11**
 - 1.71.1 Available under license
- 1.72 cxf-rt-frontend-jaxws 2.2.11**

- 1.72.1 Available under license
- 1.73 cxf-rt-frontend-simple 2.2.11**
 - 1.73.1 Available under license
- 1.74 cxf-rt-javascript 2.2.11**
 - 1.74.1 Available under license
- 1.75 cxf-rt-transport-http 2.2.11**
 - 1.75.1 Available under license
- 1.76 cxf-rt-transport-http-jetty 2.2.11**
 - 1.76.1 Available under license
- 1.77 cxf-rt-transport-local 2.2.11**
 - 1.77.1 Available under license
- 1.78 cxf-rt-ws-addr 2.2.11**
 - 1.78.1 Available under license
- 1.79 cxf-rt-ws-security 2.2.11**
 - 1.79.1 Available under license
- 1.80 cxf-tools-common 2.2.11**
 - 1.80.1 Available under license
- 1.81 cxf-tools-java2ws 2.2.11**
 - 1.81.1 Available under license
- 1.82 cxf-tools-validator 2.2.11**
 - 1.82.1 Available under license
- 1.83 cxf-tools-wsdlto-core 2.2.11**
 - 1.83.1 Available under license
- 1.84 cxf-tools-wsdlto-databinding-jaxb 2.2.11**
 - 1.84.1 Available under license
- 1.85 cxf-tools-wsdlto-frontend-jaxws 2.2.11**
 - 1.85.1 Available under license
- 1.86 cyrus-sasl2 2.1.25.dfsg1 :6+deb7u1**
 - 1.86.1 Available under license
- 1.87 dash 0.5.7-3**
 - 1.87.1 Available under license
- 1.88 db 5.1.29-5**
 - 1.88.1 Available under license
- 1.89 db4.6 4.6.21-16**
 - 1.89.1 Available under license
- 1.90 db4.7 4.7.25-9**
 - 1.90.1 Available under license
- 1.91 dbus 1.2.24-4+squeeze1**
 - 1.91.1 Available under license

- 1.92 dbus-glib 0.76-1**
 - 1.92.1 Available under license
- 1.93 debconf 1.5.36.1**
 - 1.93.1 Available under license
- 1.94 debian-archive-keyring 2010.08.28+squeeze1**
 - 1.94.1 Available under license
- 1.95 debianutils 3.4**
 - 1.95.1 Available under license
- 1.96 deborphan 1.7.28.3+squeeze1**
 - 1.96.1 Available under license
- 1.97 diffutils 2.8.1-12**
 - 1.97.1 Available under license
- 1.98 dmsetup 2:1.02.74-8**
 - 1.98.1 Available under license
- 1.99 dom4j 1.6.1**
 - 1.99.1 Notifications
 - 1.99.2 Available under license
- 1.100 dpkg 1.15.8.13**
 - 1.100.1 Available under license
- 1.101 DualRPC 2.1.0**
 - 1.101.1 Available under license
- 1.102 e2fsprogs 1.41.12-4stable1**
 - 1.102.1 Available under license
- 1.103 ebttables 2.0.9.2-2**
 - 1.103.1 Available under license
- 1.104 ecj 3.5.1**
 - 1.104.1 Available under license
- 1.105 eglIBC 2.13-38+deb7u1**
 - 1.105.1 Available under license
- 1.106 ethstatus 0.4.3**
 - 1.106.1 Available under license
- 1.107 ethtool 1:2.6.34-3**
 - 1.107.1 Available under license
- 1.108 expat 2.0.1-7+squeeze1**
 - 1.108.1 Available under license
- 1.109 fam 2.7.0-17**
 - 1.109.1 Available under license
- 1.110 ffcall 1.10+cvs20100619-2**
 - 1.110.1 Available under license

- 1.111 file 5.04-5+squeeze2**
 - 1.111.1 Available under license
- 1.112 findutils 4.4.2-1+b1**
 - 1.112.1 Available under license
- 1.113 flashybrid 0.16**
 - 1.113.1 Available under license
- 1.114 fontconfig 2.8.0-2.1**
 - 1.114.1 Available under license
- 1.115 fonts-arphic-uming 0.2.20080216.2-4**
 - 1.115.1 Available under license
- 1.116 fonts-baekmuk 2.2-7**
 - 1.116.1 Available under license
- 1.117 fonts-sil-scheherazade 1.001-8**
 - 1.117.1 Available under license
- 1.118 fonts-unfonts-core 1.0.2-080608-6**
 - 1.118.1 Available under license
- 1.119 freetype 2.4.2-2.1+squeeze4**
 - 1.119.1 Available under license
- 1.120 gcc-4.3 4.3.2-1.1**
 - 1.120.1 Available under license
- 1.121 gcc-4.4 4.4.7-2**
 - 1.121.1 Available under license
- 1.122 gcc-4.7 4.7.2-5**
 - 1.122.1 Available under license
- 1.123 gconf 2.22.0-1**
 - 1.123.1 Available under license
- 1.124 gdbm 1.8.3-3**
 - 1.124.1 Available under license
- 1.125 gdk-pixbuf 2.26.1-1**
 - 1.125.1 Available under license
- 1.126 geoip 1.4.8+dfsg-3**
 - 1.126.1 Available under license
- 1.127 geronimo-jaxws_2.1_spec 1.0**
 - 1.127.1 Available under license
- 1.128 geronimo-stax-api_1.0_spec 1.0.1**
 - 1.128.1 Available under license
- 1.129 geronimo-ws-metadata_2.0_spec 1.1.2**
 - 1.129.1 Available under license
- 1.130 glib2.0 2.16.6-3**

- 1.130.1 Available under license
- 1.131 gmp 2:4.3.2+dfsg-1**
 - 1.131.1 Available under license
- 1.132 gnupg 1.4.10-4+squeeze1**
 - 1.132.1 Available under license
- 1.133 gnutls26 2.12.20 :2011-09-03 Andreas Metzler**
 - 1.133.1 Available under license
- 1.134 gpgv 1.4.12-7+deb7u4**
 - 1.134.1 Available under license
- 1.135 gpm 1.20.4-3.3**
 - 1.135.1 Available under license
- 1.136 grep 2.6.3-3**
 - 1.136.1 Available under license
- 1.137 gtk+2.0 2.12.12-1~lenny2**
 - 1.137.1 Available under license
- 1.138 guava 11.0.2**
 - 1.138.1 Available under license
- 1.139 guice 2.0**
 - 1.139.1 Available under license
- 1.140 gzip 1.3.12-9+squeeze1**
 - 1.140.1 Available under license
- 1.141 hal 0.5.14-3**
 - 1.141.1 Available under license
- 1.142 hibernate-commons-annotations 3.2.0**
 - 1.142.1 Available under license
- 1.143 hibernate-core 3.6.0**
 - 1.143.1 Available under license
- 1.144 hibernate-jpa-2.0-api 1.0.1**
 - 1.144.1 Available under license
- 1.145 hostname 3.04**
 - 1.145.1 Available under license
- 1.146 hsqldb 2.2.4**
 - 1.146.1 Available under license
- 1.147 hsqldb_Apachev2 2.2.4**
 - 1.147.1 Available under license
- 1.148 hsqldb_LGPLv2.1 2.2.4**
 - 1.148.1 Available under license
- 1.149 htmlunit 2.9**
 - 1.149.1 Available under license

1.150 htmlunit-core-js 2.9

1.150.1 Available under license

1.151 httpclient 4.1.2

1.151.1 Available under license

1.152 httpcore 4.1.2

1.152.1 Available under license

1.153 icu4j 3.8

1.153.1 Available under license

1.154 ifenslave-2.6 1.1.0-17

1.154.1 Available under license

1.155 ifplugd 0.28-18

1.155.1 Available under license

1.156 ifupdown 0.6.10

1.156.1 Available under license

1.157 inetutils 2:1.6-3.1+squeeze1

1.157.1 Available under license

1.158 initramfs-tools 0.98.8

1.158.1 Available under license

1.159 insserv 1.14.0-5

1.159.1 Available under license

1.160 iperf 2.0.4-5

1.160.1 Available under license

1.161 iproute 20100519-3

1.161.1 Available under license

1.162 iptables 1.4.8-3

1.162.1 Available under license

1.163 iptraf 3.0.0-7

1.163.1 Available under license

1.164 jackson-all 1.9 :3

1.164.1 Available under license

1.165 jackson-all 1.8.5

1.165.1 Available under license

1.166 jai_codec 1.1.3

1.166.1 Available under license

1.167 jain-sip-sdp 1.2.160-SNAPSHOT

1.167.1 Available under license

1.168 jasper 1.900.1-13

1.168.1 Available under license

1.169 java-1.7.0-openjdk 1.7.0.131-2.6.9.0.el7_3

- 1.169.1 Available under license
- 1.170 javassist 3.7**
 - 1.170.1 Available under license
- 1.171 jaxb-api 2.1**
 - 1.171.1 Available under license
- 1.172 jaxb-impl 2.1.13**
 - 1.172.1 Available under license
- 1.173 jaxb-xjc 2.1.13**
 - 1.173.1 Available under license
- 1.174 jaxrs-api 3.0.5.Final**
 - 1.174.1 Available under license
- 1.175 jbigkit 2.0-2+deb7u1**
 - 1.175.1 Available under license
- 1.176 jboss-annotations-api_1.1_spec 1.0.1.Final**
 - 1.176.1 Available under license
- 1.177 JDOM 1.1**
 - 1.177.1 Notifications
 - 1.177.2 Available under license
- 1.178 Jersey 1.12**
 - 1.178.1 Available under license
- 1.179 jetty 5.1.10**
- 1.180 jetty-continuation 7.5.3.v20111011**
 - 1.180.1 Available under license
- 1.181 jetty-http 7.5.3.v20111011**
 - 1.181.1 Available under license
- 1.182 jetty-io 7.5.3.v20111011**
 - 1.182.1 Available under license
- 1.183 jetty-util 7.5.3.v20111011**
 - 1.183.1 Available under license
- 1.184 jgroups 3.4.0.Final**
 - 1.184.1 Available under license
- 1.185 jna 3.0.9**
 - 1.185.1 Available under license
- 1.186 jna_GPLv2 3.0.9**
 - 1.186.1 Available under license
- 1.187 Jnaerator 0.9.7**
 - 1.187.1 Available under license
- 1.188 js 1.7R2**
 - 1.188.1 Available under license

- 1.189 jsch 0.1.44**
 - 1.189.1 Available under license
- 1.190 json 2.0080701E7**
 - 1.190.1 Available under license
- 1.191 json 0.9**
 - 1.191.1 Available under license
- 1.192 json-simple 1.1 :(2009/01/23)**
 - 1.192.1 Available under license
- 1.193 JSON.simple 1.1**
 - 1.193.1 Available under license
- 1.194 jspeex 1.0-20110330**
 - 1.194.1 Available under license
- 1.195 jstl 1.1.2**
 - 1.195.1 Available under license
- 1.196 jta 1.1**
 - 1.196.1 Available under license
- 1.197 keyutils 1.4-1**
 - 1.197.1 Available under license
- 1.198 klibc 1.5.20-1+squeeze1**
 - 1.198.1 Available under license
- 1.199 kmod 41885.0**
 - 1.199.1 Available under license
- 1.200 krb5 1.6.dfsg.4~beta1-5lenny4**
 - 1.200.1 Available under license
- 1.201 less 436-1**
 - 1.201.1 Available under license
- 1.202 libapt-pkg-perl 0.1.24+b1**
 - 1.202.1 Available under license
- 1.203 libapt-pkg4.12 0.9.7.9+deb7u2**
 - 1.203.1 Available under license
- 1.204 libauthen-pam-perl 0.16-2**
 - 1.204.1 Available under license
- 1.205 libbsd 0.4.2-1**
 - 1.205.1 Available under license
- 1.206 libcap 1:1.10-14**
 - 1.206.1 Available under license
- 1.207 libcap2 1:2.22-1.2**
 - 1.207.1 Available under license
- 1.208 libclass-isa-perl 0.36 :Dominic Hargreaves 24 Nov 2011**

- 1.208.1 Available under license
- 1.209 libclass-load-perl 0.17 :Angel Abad 13 Feb 2012**
- 1.209.1 Available under license
- 1.210 libcrypt-ssleay-perl 0.57-2**
- 1.211 libdaemon 0.14-2**
- 1.211.1 Available under license
- 1.212 libdata-optlist-perl 0.104-1**
- 1.212.1 Available under license
- 1.213 libdatrie 0.1.3-2**
- 1.213.1 Available under license
- 1.214 libdevmapper1.02.1 2:1.02.74-8**
- 1.214.1 Available under license
- 1.215 libdrm 2.4.21-1~squeeze3**
- 1.216 libedit 2.11~20080614-1**
- 1.216.1 Available under license
- 1.217 libencode-locale-perl 1.03-1**
- 1.217.1 Available under license
- 1.218 libffi 3.0.10-3**
- 1.218.1 Available under license
- 1.219 libfile-copy-recursive-perl 0.38-1**
- 1.219.1 Available under license
- 1.220 libfile-listing-perl 6.04-1**
- 1.220.1 Available under license
- 1.221 libfontenc 1:1.0.5-2**
- 1.221.1 Available under license
- 1.222 libfs 2:1.0.2-1**
- 1.222.1 Available under license
- 1.223 libgcc1 1:4.4.5-8**
- 1.223.1 Available under license
- 1.224 libgcrypt11 1.4.5-2**
- 1.224.1 Available under license
- 1.225 libgpg-error 1.6-1**
- 1.225.1 Available under license
- 1.226 libhtml-form-perl 6.03-1**
- 1.226.1 Available under license
- 1.227 libhtml-parser-perl 3.66-1**
- 1.227.1 Available under license
- 1.228 libhtml-tagset-perl 3.20-2 :2008-02-29 Andy Lester**
- 1.228.1 Available under license

- 1.229 libhtml-tree-perl 3.23-2**
 - 1.229.1 Available under license
- 1.230 libhttp-cookies-perl 6.00-2**
 - 1.230.1 Available under license
- 1.231 libhttp-daemon-perl 6.01 :2012-02-18**
 - 1.231.1 Available under license
- 1.232 libhttp-date-perl 6.02 :2012-03-30**
 - 1.232.1 Available under license
- 1.233 libhttp-message-perl 6.03 :2012-02-16**
 - 1.233.1 Available under license
- 1.234 libhttp-negotiate-perl 6.00 :2011-02-27**
 - 1.234.1 Available under license
- 1.235 libhttp-server-simple-perl 0.44-1**
 - 1.235.1 Available under license
- 1.236 libice 2:1.0.6-2**
 - 1.236.1 Available under license
- 1.237 libidn 1.15-2**
 - 1.237.1 Available under license
- 1.238 libio-pty-perl 1:1.08-1**
- 1.239 libio-socket-ssl-perl 1.76 :2012.06.18**
 - 1.239.1 Available under license
- 1.240 libjpeg8 8d-1**
 - 1.240.1 Available under license
- 1.241 liblocale-gettext-perl 1.05-6**
 - 1.241.1 Available under license
- 1.242 liblog-dispatch-perl 2.22-1**
 - 1.242.1 Available under license
- 1.243 liblog-log4perl-perl 1.29-1**
 - 1.243.1 Available under license
- 1.244 liblwp-mediatypes-perl 6.02 :2012-02-16**
 - 1.244.1 Available under license
- 1.245 liblwp-protocol-https-perl 6.03 :2012-02-18**
 - 1.245.1 Available under license
- 1.246 libmodule-implementation-perl 0.06 :2012-02-12**
 - 1.246.1 Available under license
- 1.247 libmodule-runtime-perl 0.013 :2012-02-16**
 - 1.247.1 Available under license
- 1.248 libnet-http-perl 6.03 :2**
 - 1.248.1 Available under license

- 1.249 libnet-snmp-perl 5.2.0-4**
 - 1.249.1 Available under license
- 1.250 libnet-ssleay-perl 1.36-1**
 - 1.250.1 Available under license
- 1.251 libnetfilter-contrack 0.0.96-1**
 - 1.251.1 Available under license
- 1.252 libnfnetlink 1.0.0-1**
 - 1.252.1 Available under license
- 1.253 libnspr4 2:4.9.2-1+deb7u2**
 - 1.253.1 Available under license
- 1.254 libnspr4-0d 2:4.9.2-1+deb7u2**
 - 1.254.1 Available under license
- 1.255 libpackage-deprecationmanager-perl 0.04-1**
 - 1.255.1 Available under license
- 1.256 libpackage-stash-perl 0.33 :2011-09-28**
 - 1.256.1 Available under license
- 1.257 libparams-classify-perl 0.013-4**
 - 1.257.1 Available under license
- 1.258 libparams-util-perl 1.00-1**
 - 1.258.1 Available under license
- 1.259 libparams-validate-perl 0.93-1**
 - 1.259.1 Available under license
- 1.260 libpcap 1.1.1-2+squeeze1**
 - 1.260.1 Available under license
- 1.261 libpciaccess 0.13.1-2**
 - 1.261.1 Available under license
- 1.262 libpng 1.2.44-1+squeeze4**
 - 1.262.1 Available under license
- 1.263 libselinux 2.0.96-1**
 - 1.263.1 Available under license
- 1.264 libsemanage 2.1.6-6**
 - 1.264.1 Available under license
- 1.265 libsepol 2.0.41-1**
 - 1.265.1 Available under license
- 1.266 libsigsegv 2.5-3**
 - 1.266.1 Available under license
- 1.267 libsm 2:1.1.1-1**
 - 1.267.1 Available under license
- 1.268 libssh2 1.2.6-1**

1.268.1 Available under license
1.269 libssl1.0.0 1.0.1e-2+deb7u11
1.269.1 Available under license
1.270 libstdc++6 4.7.2-5
1.270.1 Available under license
1.271 libsub-install-perl 0.924-2
1.271.1 Available under license
1.272 libtasn1-3 2.7-1+squeeze+1
1.272.1 Available under license
1.273 libterm-readkey-perl 2.30-4
1.274 libterm-readline-perl-perl 1.0303-1
1.274.1 Available under license
1.275 libtext-charwidth-perl 0.04-6
1.275.1 Available under license
1.276 libtext-iconv-perl 1.7-2
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1.2 adduser 3.112+nmu2

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Since Nov 27 1996, it was maintained by Guy Maor `<maor@debian.org>`. He rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt `<rb@debian.org>`.

Since March 24 2004, it is maintained by Roland Bauerschmidt `<rb@debian.org>`, and co-maintained by Marc Haber `<mh+debian-packages@zugschlus.de>`

Since 23 Oct 2005, it has been maintained by Joerg Hoh `<joerg@joerghoh.de>`

Since June 2006, it has been maintained by Stephen Gran `<sgran@debian.org>`

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1.3 **alsa-lib 1.0.23-2.1**

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1.13 apt-show-versions 0.16+squeeze1

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```
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# installed and available package versions and distribution and shows
# upgrade options within the specific distribution of the selected
# package

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1.15 asm 3.3.1

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1.19 atk1.0 1.30.0-1

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1.22 aufs-tools 20100601-1

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1.23 avahi 0.6.31-2

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```
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```

```
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```

```
set -e
```

```
# Command line arguments:
```

```
# $1 event that happened:
#   BIND:   Successfully claimed address
#   CONFLICT: An IP address conflict happened
#   UNBIND: The IP address is no longer needed
#   STOP:   The daemon is terminating
# $2 interface name
# $3 IP address
```

```
# We have the BSD ifconfig tool
```

```
case "$1" in
BIND)
    ifconfig "$2" "$3"/16
    ;;

CONFLICT|STOP|UNBIND)
    ifconfig "$2" "$3"/16 delete
    ;;

*)
    echo "Unknown event $1" >&2
    exit 1
    ;;
esac

exit 0
```

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1.24 axis 1.4

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1.25 axis-jaxrpc 1.4

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```
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```

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```
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```

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

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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```

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```

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

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```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Version 3, 29 June 2007

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```
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Version 2, June 1991

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1.29 bash 4.1-3

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From mikel@ora.com Tue Aug 1 12:13:20 1995

Flags: 10

Return-Path: mikel@ora.com

Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (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

Received: by los.ora.com (4.1/Spike-2.1)

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 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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1.30 bash-completion 1:1.2-3

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

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

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

=====

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

<!--

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-->

<!-- \$Id: copyright.xml,v 1.8 2009/07/10 23:47:58 tbox Exp \$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

```
<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '#10;'))"/>
  <xsl:text>#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '#10;')"/>
  <xsl:if test="translate($rest, '#9;#32;', ' ')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>
```

```
<xsl:variable name="isc.copyright.text">
  <xsl:text>
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```

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```
</xsl:text>
</xsl:variable>
```

```
<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
<xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
```

```
</xsl:call-template>
<xsl:text> </xsl:text>
<xsl:value-of select="holder"/>
<xsl:text>#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>
```

```
</xsl:stylesheet>
```

```
<!--
```

```
- Local variables:
```

```
- mode: sgml
```

```
- End:
```

```
-->
```

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1.33 birt 2.5.2

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* Java HTML Tidy - JTidy

* HTML parser and pretty printer

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

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```
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```

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'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Version 2.1, February 1999

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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

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

1.39 ca-certificates 20090814+nmu3squeeze1

1.39.1 Available under license :

ca-certificates was originally written and maintained by Fumitoshi UKAI <ukai@debian.or.jp> on Mon, 7 Jan 2002 21:16:51 +0900.

The original source can always be found at:
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[sbin/update-ca-certificates](#):

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1.41 cglib-nodep 2.1_3

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1.42 cl-asdf 2:2.011-1

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1.43 cl-ppcre 2.0.1-2

1.43.1 Available under license :

This package was debianized by Kevin M. Rosenberg <kmr@debian.org>
in Dec 2002.

It was downloaded from <http://weitz.de/files/cl-ppcre.tar.gz>

Upstream Author: Dr. Edmund Weitz <edi@aghart.de>

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1.44 clisp 1:2.48-3

1.44.1 Available under license :

Hey Emacs! -*- coding: utf-8 -*-

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- b) They only reference external symbols in CLISP's public packages that define API also provided by many other Common Lisp implementations (namely the packages COMMON-LISP, COMMON-LISP-USER, KEYWORD, CLOS, GRAY, EXT) and some external, not CLISP specific, symbols in third-party packages that are released with source code under a GPL compatible license and that run in a great number of Common Lisp implementations, i.e. if they rely on CLISP internals only to the extent needed for gaining some functionality also available in a great number of Common Lisp implementations.

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Amiga version: Bruno Haible, Jrg Hhle
Acorn version: Bruno Haible, Peter Burwood
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Version 2, June 1991

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Appendix: How to Apply These Terms to Your New Programs

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

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

<one line to give the program's name and a brief idea of what it does.>

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

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

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

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

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

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

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

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

From rms@gnu.ai.mit.edu Mon Oct 19 00:06:25 1992

Return-Path: <rms@gnu.ai.mit.edu>

Received: from mole.gnu.ai.mit.edu ([128.52.46.33]) by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0) id AA23967; Mon, 19 Oct 92 00:06:23 +0100

Received: by mole.gnu.ai.mit.edu (5.65/4.0)

id <AA25733@mole.gnu.ai.mit.edu>; Sun, 18 Oct 92 18:59:05 -0400

Date: Sun, 18 Oct 92 18:59:05 -0400

From: rms@gnu.ai.mit.edu (Richard Stallman)

Message-Id: <9210182259.AA25733@mole.gnu.ai.mit.edu>

To: haible@ma2s2.mathematik.uni-karlsruhe.de

Subject: Common Lisp and Readline

Status: RO

I hate to have to play this role with a fellow hacker, but...

If you don't change to using the GPL, then you'll have to stop using readline. Readline's terms say that the whole program has to be under the GPL, and just having the user do the link doesn't change this. If the program is designed to run with readline as a part, then readline is a part of it.

An ordinary user can decide to link readline with a program and run it. That's different--this user is not doing distribution, and thus the GPL does not restrict what he can do.

From haible Fri Oct 30 18:54:38 1992
Return-Path: <haible>
Received: by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)
id AA28745; Fri, 30 Oct 92 18:54:37 +0100
Date: Fri, 30 Oct 92 18:54:37 +0100
From: haible (Bruno Haible)
Message-Id: <9210301754.AA28745@ma2s2.mathematik.uni-karlsruhe.de>
To: haible@ma2s2.mathematik.uni-karlsruhe.de, rms@gnu.ai.mit.edu
Subject: Re: Common Lisp and Readline
Status: RO

> I hate to have to play this role with a fellow hacker, but...

I'm sorry too, as I am very indebted to the GNU project.

> Readline's terms say that the whole program has to be under
> the GPL, and just having the user do the link doesn't change this.

I don't agree. My lisp.a is not a "work based on libreadline.a". What I distribute is a "mere aggregation" of lisp.a and libreadline.a - the latter with source.

> If the program is designed to run with readline as a part, then readline
> is a part of it.

I could provide a libnoreadline.a and let the user choose to link lisp.a with either GNU's libreadline.a or my libnoreadline.a . Would that convince you that lisp.a "can be reasonably considered independent and separate work" ?

Bruno Haible

From rms@gnu.ai.mit.edu Fri Oct 30 22:19:16 1992
Return-Path: <rms@gnu.ai.mit.edu>
Received: from mole.gnu.ai.mit.edu ([128.52.46.33]) by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)

id AA28939; Fri, 30 Oct 92 22:19:14 +0100
Received: by mole.gnu.ai.mit.edu (5.65/4.0)
id <AA04907@mole.gnu.ai.mit.edu>; Fri, 30 Oct 92 16:09:54 -0500
Date: Fri, 30 Oct 92 16:09:54 -0500
From: rms@gnu.ai.mit.edu (Richard Stallman)
Message-Id: <9210302109.AA04907@mole.gnu.ai.mit.edu>
To: haible@ma2s2.mathematik.uni-karlsruhe.de
In-Reply-To: <9210301754.AA28745@ma2s2.mathematik.uni-karlsruhe.de> (haible@ma2s2.mathematik.uni-karlsruhe.de)
Subject: Common Lisp and Readline
Status: RO

> Readline's terms say that the whole program has to be under
> the GPL, and just having the user do the link doesn't change this.

I don't agree. My lisp.a is not a "work based on libreadline.a". What I distribute is a "mere aggregation" of lisp.a and libreadline.a - the latter with source.

I could provide a libnreadline.a and let the user choose to link lisp.a with either GNU's libreadline.a or my libnreadline.a . Would that convince you that lisp.a "can be reasonably considered independent and separate work" ?

No, and I doubt it would convince a judge either.

I'll have to insist that you stop using readline unless you make the program free.

From haible Sat Oct 31 01:08:00 1992
Return-Path: <haible>
Received: by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)
id AA29062; Sat, 31 Oct 92 01:08:00 +0100
Date: Sat, 31 Oct 92 01:08:00 +0100
From: haible (Bruno Haible)
Message-Id: <9210310008.AA29062@ma2s2.mathematik.uni-karlsruhe.de>
To: haible@ma2s2.mathematik.uni-karlsruhe.de, rms@gnu.ai.mit.edu
Subject: Re: Common Lisp and Readline
Status: RO

> I'll have to insist that you stop using readline unless you make the
> program free.

I built a libnreadline.a that can be linked together with lisp.a, replacing libreadline.a .

I will reorganize the distribution into 2 independent parts:

- * clisp.lzh containing lisp.a and libnoreadline.a,
- * readline.tar.Z containing libreadline.a and its source.

The first one is enough to build a CLISP executable. It contains no GNU parts.

> I doubt it would convince a judge either.

The only thing CLISP will have to do with the readline library is that *THE USER* *MAY OPTIONALLY* link CLISP with the readline library.

No judge will admit that this gives you the right to determine the copyright of CLISP.

>From your own words:

- > An ordinary user can decide to link readline with a program and run
- > it. That's different--this user is not doing distribution, and thus
- > the GPL does not restrict what he can do.

If you still insist on me being wrong, then please tell me what part of the GNU GPL I am breaking. Or update the GNU GPL.

Bruno Haible

From haible Sat Oct 31 01:08:26 1992

Return-Path: <haible>

Received: by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)

id AA29068; Sat, 31 Oct 92 01:08:25 +0100

Date: Sat, 31 Oct 92 01:08:25 +0100

From: haible (Bruno Haible)

Message-Id: <9210310008.AA29068@ma2s2.mathematik.uni-karlsruhe.de>

To: haible@ma2s2.mathematik.uni-karlsruhe.de, rms@gnu.ai.mit.edu

Subject: Readline & GPL

Status: RO

If someone was to turn the readline library into a shared library (a library that is needed at runtime by the executable, but not contained in the executable):

Would that mean that any executable that uses a readline shared lib would have to be accompanied with full source? Or would it, in the contrary, mean that such an executable may use the readline lib without "containing" it and without being affected by such copyright issues?

Bruno Haible

From rms@gnu.ai.mit.edu Sat Oct 31 01:11:59 1992

Return-Path: <rms@gnu.ai.mit.edu>

Received: from mole.gnu.ai.mit.edu ([128.52.46.33]) by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0) id AA29075; Sat, 31 Oct 92 01:11:56 +0100

Received: by mole.gnu.ai.mit.edu (5.65/4.0)

id <AA06772@mole.gnu.ai.mit.edu>; Fri, 30 Oct 92 19:02:38 -0500

Date: Fri, 30 Oct 92 19:02:38 -0500

From: rms@gnu.ai.mit.edu (Richard Stallman)

Message-Id: <9210310002.AA06772@mole.gnu.ai.mit.edu>

To: haible@ma2s2.mathematik.uni-karlsruhe.de

In-Reply-To: <9210310008.AA29068@ma2s2.mathematik.uni-karlsruhe.de> (haible@ma2s2.mathematik.uni-karlsruhe.de)

Subject: Readline & GPL

Status: RO

If someone was to turn the readline library into a shared library (a library that is needed at runtime by the executable, but not contained in the executable):

Would that mean that any executable that uses a readline shared lib would have to be accompanied with full source?

Yes.

From rms@gnu.ai.mit.edu Sat Oct 31 01:29:01 1992

Return-Path: <rms@gnu.ai.mit.edu>

Received: from mole.gnu.ai.mit.edu ([128.52.46.33]) by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0) id AA29083; Sat, 31 Oct 92 01:28:59 +0100

Received: by mole.gnu.ai.mit.edu (5.65/4.0)

id <AA06922@mole.gnu.ai.mit.edu>; Fri, 30 Oct 92 19:19:36 -0500

Date: Fri, 30 Oct 92 19:19:36 -0500

From: rms@gnu.ai.mit.edu (Richard Stallman)

Message-Id: <9210310019.AA06922@mole.gnu.ai.mit.edu>

To: haible@ma2s2.mathematik.uni-karlsruhe.de

In-Reply-To: <9210310008.AA29062@ma2s2.mathematik.uni-karlsruhe.de> (haible@ma2s2.mathematik.uni-karlsruhe.de)

Subject: Common Lisp and Readline

Status: RO

I built a libnreadline.a that can be linked together with lisp.a, replacing libreadline.a .

I will reorganize the distribution into 2 independent parts:

- * clisp.lzh containing lisp.a and libnreadline.a,
- * readline.tar.Z containing libreadline.a and its source.

The first one is enough to build a CLISP executable. It contains no GNU parts.

True. If that were the whole situation--if readline did not exist--

then I would have no grounds to object.

However, the sum total of what you are doing is still tantamount to distributing one program which contains readline but is not under the GPL.

This is a problem I cannot ignore. If you can get away with this then any company can get away with it. The result would be to negate for practical purposes the GPL's requirement that improvements be free. And that would deprive GNU software of a major source of improvements.

Is that what you want?

From rms@gnu.ai.mit.edu Fri Nov 6 11:02:40 1992

Return-Path: <rms@gnu.ai.mit.edu>

Received: from mole.gnu.ai.mit.edu ([128.52.46.33]) by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0) id AA13962; Fri, 6 Nov 92 11:02:36 +0100

Received: by mole.gnu.ai.mit.edu (5.65/4.0)

id <AA09628@mole.gnu.ai.mit.edu>; Fri, 6 Nov 92 04:52:01 -0500

Date: Fri, 6 Nov 92 04:52:01 -0500

From: rms@gnu.ai.mit.edu (Richard Stallman)

Message-Id: <9211060952.AA09628@mole.gnu.ai.mit.edu>

To: haible@ma2s2.mathematik.uni-karlsruhe.de

In-Reply-To: <9210310008.AA29062@ma2s2.mathematik.uni-karlsruhe.de> (haible@ma2s2.mathematik.uni-karlsruhe.de)

Subject: Common Lisp and Readline

Status: RO

If you do succeed in circumventing the GPL for readline, you would be blazing a path for every commercial company that wants to do it. Would you really like that result?

Wouldn't it be best to eliminate this dispute by using the GPL for Common Lisp? Totally aside from readline, the Lisp system would be more useful that way. For example, maybe it could be a useful part of GNU.

From haible Fri Nov 6 16:13:07 1992

Return-Path: <haible>

Received: by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0) id AA14116; Fri, 6 Nov 92 16:13:06 +0100

Date: Fri, 6 Nov 92 16:13:06 +0100

From: haible (Bruno Haible)

Message-Id: <9211061513.AA14116@ma2s2.mathematik.uni-karlsruhe.de>

To: haible@ma2s2.mathematik.uni-karlsruhe.de, rms@gnu.ai.mit.edu

Subject: Common Lisp, Readline and GPL

Status: RO

- > I will reorganize the distribution into 2 independent parts:
- > * clisp.lzh containing lisp.a and libnreadline.a,
- > * readline.tar.Z containing libreadline.a and its source.
- >
- > The first one is enough to build a CLISP executable. It contains
- > no GNU parts.
- >
- > However, the sum total of what you are doing is still tantamount to
- > distributing one program which contains readline but is not under the
- > GPL.

Not totally. The sum of what I AND THE USER are doing is tantamount to building a program which contains readline but is not under the GPL.

But

- * the user isn't distributing anything,
- * I am not responsible for the user's deeds,
- * I am not distributing "one program", so GPL doesn't apply to me either.

- > If that were the whole situation--if readline did not exist--
- > then I would have no grounds to object.

So the only reason why you may object is that my lisp.a has an INTERFACE that allows it to be linked to libreadline.a . As far as I know, only the readline CODE is copyrighted, not its INTERFACE. (Would you object because my libnreadline.a has a similar interface?)

- > This is a problem I cannot ignore. If you can get away with this then
- > any company can get away with it.
- > ...
- > And that would deprive GNU software of a major source of improvements.
- > Is that what you want?

No, of course! But I would like to see the problem analyzed in depth.

Problem 1: If someone (like me) lets the user do the final link phase.

Problem 2: If the final link phase is done by the OS automatically at run time (shared libraries).

You should update GPL for these cases.

- > If you do succeed in circumventing the GPL for readline, you would be
- > blazing a path for every commercial company that wants to do it.

But the problems remain there even if I put CLISP under GPL.

From haible Fri Nov 6 16:13:19 1992
Return-Path: <haible>
Received: by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)
id AA14123; Fri, 6 Nov 92 16:13:18 +0100
Date: Fri, 6 Nov 92 16:13:18 +0100
From: haible (Bruno Haible)
Message-Id: <9211061513.AA14123@ma2s2.mathematik.uni-karlsruhe.de>
To: haible@ma2s2.mathematik.uni-karlsruhe.de, rms@gnu.ai.mit.edu
Subject: Common Lisp, Readline and GPL
Status: RO

- > Wouldn't it be best to eliminate this dispute by using the GPL for
- > Common Lisp?

Would be best for me, true.

- > Totally aside from readline, the Lisp system would be
- > more useful that way.

This and the following are convincing me:

- * Up to 1991 the decision whether using GPL or not, was simply a matter of philosophy or copyright policy.
The success of Linux, however, demonstrates how a speed and quality of development was achieved which would have been impossible without access for everyone to the source of everything.
- * Finding co-developers for other Lisp packages or testers for other hardware/OS platforms might be easier if I release full source.

So be prepared to seeing CLISP's source before Christmas.

Yours,
B. Haible

From rms@gnu.ai.mit.edu Fri Nov 6 21:31:33 1992
Return-Path: <rms@gnu.ai.mit.edu>
Received: from mole.gnu.ai.mit.edu ([128.52.46.33]) by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)
id AA15204; Fri, 6 Nov 92 21:31:28 +0100

Received: by mole.gnu.ai.mit.edu (5.65/4.0)
id <AA10933@mole.gnu.ai.mit.edu>; Fri, 6 Nov 92 15:20:48 -0500
Date: Fri, 6 Nov 92 15:20:48 -0500
From: rms@gnu.ai.mit.edu (Richard Stallman)
Message-Id: <9211062020.AA10933@mole.gnu.ai.mit.edu>
To: haible@ma2s2.mathematik.uni-karlsruhe.de
Cc: rms@gnu.ai.mit.edu
In-Reply-To: <9211061513.AA14116@ma2s2.mathematik.uni-karlsruhe.de> (haible@ma2s2.mathematik.uni-karlsruhe.de)
Subject: Common Lisp, Readline and GPL
Status: RO

- * the user isn't distributing anything,
- * I am not responsible for the user's deeds,
- * I am not distributing "one program", so GPL doesn't apply to me either.

The FSF position would be that this is still one program, which has only been disguised as two. The reason it is still one program is that the one part clearly shows the intention for incorporation of the other part.

I say this based on discussions I had with our lawyer long ago. The issue first arose when NeXT proposed to distribute a modified GCC in two parts and let the user link them. Jobs asked me whether this was lawful. It seemed to me at the time that it was, following reasoning like what you are using; but since the result was very undesirable for free software, I said I would have to ask the lawyer.

What the lawyer said surprised me; he said that judges would consider such schemes to be "subterfuges" and would be very harsh toward them. He said a judge would ask whether it is "really" one program, rather than how it is labeled.

So I went back to Jobs and said we believed his plan was not allowed by the GPL.

The direct result of this is that we now have an Objective C front end. They had wanted to distribute the Objective C parser as a separate proprietary package to link with the GCC back end, but since I didn't agree this was allowed, they made it free.

So I don't think the GPL actually requires a correction for this. But perhaps it would be a good idea to add a note explaining this.

From haible Sun Nov 8 16:31:52 1992

Return-Path: <haible>
Received: by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)
id AA18675; Sun, 8 Nov 92 16:31:51 +0100
Date: Sun, 8 Nov 92 16:31:51 +0100
From: haible (Bruno Haible)
Message-Id: <9211081531.AA18675@ma2s2.mathematik.uni-karlsruhe.de>
To: haible@ma2s2.mathematik.uni-karlsruhe.de, rms@gnu.ai.mit.edu
Subject: Re: Common Lisp, Readline and GPL
Status: RO

Thanks you for the explanation of the lawyers' point of view.

> What the lawyer said surprised me; he said that judges would consider
> such schemes to be "subterfuges" and would be very harsh toward
> them. He said a judge would ask whether it is "really" one program,
> rather than how it is labeled.

I accept this.

> They had wanted to distribute the Objective C parser as a
> separate proprietary package to link with the GCC back end, but since
> I didn't agree this was allowed, they made it free.

The situation for CLISP is a bit different: CLISP was running without the
readline library for over one year before I began using readline() in
September 1992. That was also the reason why I was able to build a drop-in
replacement (libnreadline.a) within only one hour.

The readline library is not an essential or integral part of CLISP - it makes
the user interface nicer, and that's all.

From rms@gnu.ai.mit.edu Mon Oct 11 18:57:43 1993
Return-Path: <rms@gnu.ai.mit.edu>
Received: from mole.gnu.ai.mit.edu by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)
id AA06403; Mon, 11 Oct 93 18:57:38 +0100
Received: by mole.gnu.ai.mit.edu (5.65/4.0)
id <AA09632@mole.gnu.ai.mit.edu>; Mon, 11 Oct 93 13:56:03 -0400
Date: Mon, 11 Oct 93 13:56:03 -0400
From: rms@gnu.ai.mit.edu (Richard Stallman)
Message-Id: <9310111756.AA09632@mole.gnu.ai.mit.edu>
To: haible@ma2s2.mathematik.uni-karlsruhe.de
In-Reply-To: <9310111623.AA06248@ma2s2.mathematik.uni-karlsruhe.de> (haible@ma2s2.mathematik.uni-
karlsruhe.de)
Subject: Re: compiling with gcc without linking with libgcc.a
Status: RO

But libgmp.a should remain under GPL.

I'm interested in hearing why you think so.
Someone else is arguing that it should be under the LGPL;
I haven't made up my mind yet.

From haible Tue Oct 12 13:28:37 1993
Return-Path: <haible>
Received: by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)
id AA07494; Tue, 12 Oct 93 13:28:36 +0100
Date: Tue, 12 Oct 93 13:28:36 +0100
From: haible (Bruno Haible)
Message-Id: <9310121228.AA07494@ma2s2.mathematik.uni-karlsruhe.de>
To: rms@gnu.ai.mit.edu
Subject: Re: libgmp.a
Status: RO

> But libgmp.a should remain under GPL.
> I'm interested in hearing why you think so.

Because one can build a multi-precision calculator (like `bc') as a wrapper to libgmp.a. Capability of handling arbitrary size numbers is still an essential advantage (and marketing issue) for computer algebra systems and Lisp implementations.

I had to put CLISP under GPL because libreadline.a was something I wanted to use and I didn't want to write myself. libgmp.a is similar in this respect, and it may therefore help putting some new packages under GPL.

Building libgmp.a was just too hard work. Other people shouldn't get it for free.

Bruno Haible

From rms@gnu.ai.mit.edu Tue Oct 12 18:28:27 1993
Return-Path: <rms@gnu.ai.mit.edu>
Received: from mole.gnu.ai.mit.edu by ma2s2.mathematik.uni-karlsruhe.de (4.1/SMI-4.0)
id AA08120; Tue, 12 Oct 93 18:28:25 +0100
Received: by mole.gnu.ai.mit.edu (5.65/4.0)
id <AA14488@mole.gnu.ai.mit.edu>; Tue, 12 Oct 93 13:26:57 -0400
Date: Tue, 12 Oct 93 13:26:57 -0400
From: rms@gnu.ai.mit.edu (Richard Stallman)
Message-Id: <9310121726.AA14488@mole.gnu.ai.mit.edu>
To: haible@ma2s2.mathematik.uni-karlsruhe.de
In-Reply-To: <9310121228.AA07494@ma2s2.mathematik.uni-karlsruhe.de> (haible@ma2s2.mathematik.uni-karlsruhe.de)
Subject: Re: libgmp.a
Status: RO

Thanks for reminding me about this example.

I agree it is a strong argument.

This package was originally debianized by Kevin Dalley <kevind@rahul.net> on Thu, 22 May 1997 23:51:34 -0700.

This package was redone from scratch by Matt Zimmerman <mdz@debian.org> on Sat, 11 Aug 2001 20:01:12 -0400.

It was downloaded from clisp.sourceforge.net

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On Debian GNU/Linux systems, the complete text of the GNU General Public License can be found in `~/usr/share/common-licenses/GPL-2'`.

A complete copy of the COPYRIGHT file from the original source distribution follows here:

Hey Emacs! -*- coding: utf-8 -*-

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Summary:

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GRAY, EXT), i.e. if they don't rely on CLISP internals and would as well run in any other Common Lisp implementation. Or

- b) They only reference external symbols in CLISP's public packages that define API also provided by many other Common Lisp implementations (namely the packages COMMON-LISP, COMMON-LISP-USER, KEYWORD, CLOS, GRAY, EXT) and some external, not CLISP specific, symbols in third-party packages that are released with source code under a GPL compatible license and that run in a great number of Common Lisp implementations, i.e. if they rely on CLISP internals only to the extent needed for gaining some functionality also available in a great number of Common Lisp implementations.

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Foreign non-Lisp code that is linked with CLISP or loaded into CLISP through dynamic linking is not exempted from this copyright. I.e. such code, when distributed for use with CLISP, must be distributed under the GPL.

Authors:

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Atari version: Bruno Haible, Michael Stoll

Amiga version: Bruno Haible, Jrg Hhle

Acorn version: Bruno Haible, Peter Burwood

DOS version: Bruno Haible, Bernhard Degel, Jrgen Weber

OS/2 version: Bruno Haible

Unix version: Bruno Haible

Multithreading: Vladimir Tzankov

Maintenance:

Bruno Haible, Michael Stoll 1992-1993

Bruno Haible, Marcus Daniels 1994-1997

Bruno Haible, Pierpaolo Bernardi, Sam Steingold 1998

Bruno Haible, Sam Steingold 1999-2001

Sam Steingold 2002-2009

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Version 3, 29 June 2007

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

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1.45 common-lisp-controller 7.6

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```
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```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.55 console-setup 1.88

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```
== 100dpi-lutBS10.bdf 100dpi-lutBS10-IL2.bdf 100dpi-lutBS08.bdf
100dpi-lutBS08-IL2.bdf 100dpi-lutBS12-IL2.bdf
100dpi-lutBS14-IL2.bdf 100dpi-lutBS14.bdf 100dpi-lutBS19-IL2.bdf
100dpi-lutRS10.bdf 100dpi-lutRS10-IL2.bdf 100dpi-lutRS08.bdf
100dpi-lutRS08-IL2.bdf 100dpi-lutRS14-IL2.bdf 100dpi-lutRS14.bdf
100dpi-lutRS19-IL2.bdf 75dpi-lutBS12.bdf 75dpi-lutBS12c.bdf
75dpi-lutBS12-IL2.bdf 75dpi-lutBS14.bdf 75dpi-lutBS14c.bdf
75dpi-lutBS14-IL2.bdf 75dpi-lutRS12.bdf 75dpi-lutRS12c.bdf
75dpi-lutRS12-IL2.bdf 75dpi-lutRS14.bdf 75dpi-lutRS14c.bdf
75dpi-lutRS14-IL2.bdf
```

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1.56 coreutils 8.5-1

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This package is maintained by Michael Stone mstone@debian.org and built from sources obtained from:
<ftp://ftp.gnu.org/gnu/coreutils/coreutils-6.10.tar.gz>

This debian package was first put together by Michael Stone mstone@debian.org, from coreutils 4.5.1.

Changes:

- * added Debian GNU/Linux package maintenance system files
- * at times, bug fixes awaiting inclusion in the upstream source

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```
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```

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1.58 cpp 4:4.4.5-1

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Written by Gary Benson <gbenson@redhat.com>

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1.59 cron 3.0pl1-116

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```
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# *
# * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
# * I'll try to keep a version up to date. I can be reached as follows:
# * Paul Vixie    <paul@vix.com>    uunet!decwrl!vixie!paul
# */
```

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)

'make'

'su' and 'make install'

(you may have to install the man pages by hand)

kill your existing cron process
(actually you can run your existing cron if you want, but why?)
build new crontabs using /usr/lib/{crontab,crontab.local}
(either put them all in "root"'s crontab, or divide it up
and rip out all the 'su' commands, collapse the lengthy
lists into ranges with steps -- basically, this step is
as much work as you want to make it)
start up the new cron
(must be done as root)
watch it. test it with 'crontab -r' and watch the daemon track your
changes.
if you like it, change your /etc/{rc,rc.local} to use it instead of
the old one.

\$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp \$

1.60 cssparser 0.9.5

1.60.1 Available under license :

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Version 2, June 1991

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```
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```

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

That's all there is to it!

/*

* \$Id: CounterImpl.java,v 1.3 2008/03/26 02:17:24 sdanig Exp \$

*

* CSS Parser Project

*

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*

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*

* To contact the authors of the library:

*

* <http://cssparser.sourceforge.net/>

* <mailto:davidsch@users.sourceforge.net>

*/


```

package com.steadystate.css.dom;

import java.io.Serializable;

import org.w3c.dom.DOMException;
import org.w3c.dom.css.Counter;

import org.w3c.css.sac.LexicalUnit;

/**
 * Implementation of { @link Counter}.
 *
 * @author <a href="mailto:davidsch@users.sourceforge.net">David Schweinsberg</a>
 * @version $Id: CounterImpl.java,v 1.3 2008/03/26 02:17:24 sdanig Exp $
 */
public class CounterImpl implements Counter, Serializable {

    private static final long serialVersionUID = 7996279151817598904L;

    private String identifier;
    private String listStyle;
    private String separator;

    public void setIdentifier(String identifier)
    {
        this.identifier = identifier;
    }

    public void setListStyle(String listStyle)
    {
        this.listStyle = listStyle;
    }

    public void setSeparator(String separator)
    {
        this.separator = separator;
    }

    /** Creates new CounterImpl */
    public CounterImpl(boolean separatorSpecified, LexicalUnit lu)
        throws DOMException
    {
        LexicalUnit next = lu;
        this.identifier = next.getStringValue();
        next = next.getNextLexicalUnit(); // ','
        if (next != null)
        {

```

```

if (next.getLexicalUnitType() != LexicalUnit.SAC_OPERATOR_COMMA)
{
    // error
    throw new DOMException(DOMException.SYNTAX_ERR,
        "Counter parameters must be separated by ','.");
}
next = next.getNextLexicalUnit();
if (separatorSpecified && (next != null)) {
    this.separator = next.getStringValue();
    next = next.getNextLexicalUnit(); // ','
    if (next != null)
    {
        if (next.getLexicalUnitType() != LexicalUnit.SAC_OPERATOR_COMMA)
        {
            // error
            throw new DOMException(DOMException.SYNTAX_ERR,
                "Counter parameters must be separated by ','.");
        }
        next = next.getNextLexicalUnit();
    }
}
if (next != null) {
    this.listStyle = next.getStringValue();
    if ((next = next.getNextLexicalUnit()) != null)
    {
        // error
        throw new DOMException(DOMException.SYNTAX_ERR,
            "Too many parameters for counter function.");
    }
}
}
}

```

```

public CounterImpl()
{
}

```

```

public String getIdentifier() {
    return this.identifier;
}

```

```

public String getListStyle() {
    return this.listStyle;
}

```

```

public String getSeparator() {
    return this.separator;
}

```

```

}

public String toString() {
    StringBuilder sb = new StringBuilder();
    if (this.separator == null) {
        // This is a 'counter()' function
        sb.append("counter()");
    } else {
        // This is a 'counters()' function
        sb.append("counters()");
    }
    sb.append(this.identifier);
    if (this.separator != null) {
        sb.append(", ").append(this.separator).append("\n");
    }
    if (this.listStyle != null) {
        sb.append(", ").append(this.listStyle);
    }
    sb.append("\n");
    return sb.toString();
}
}

```

1.61 csv2xml 1.0.1

1.61.1 Available under license :

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Version 1.0

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: CUPS

Upstream-Contact: Michael Sweet <msweet@apple.com>

Source: <ftp://ftp.easysw.com/pub/cups/>

Files: *

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.

The same exceptions as above apply.

```
#!/bin/sh
# postinst script for cups
#
# see: dh_installdeb(1)
```

```
set -e
```

```
# summary of how this script can be called:
```

```
# * <postinst> `configure' <most-recently-configured-version>
# * <old-postinst> `abort-upgrade' <new version>
# * <conflictor's-postinst> `abort-remove' `in-favour' <package>
#   <new-version>
# * <deconfigured's-postinst> `abort-deconfigure' `in-favour'
#   <failed-install-package> <version> `removing'
#   <conflicting-package> <version>
```

```
# for details, see /usr/doc/packaging-manual/
```

```
#
```

```
# quoting from the policy:
```

```
# Any necessary prompting should almost always be confined to the
# post-installation script, and should be protected with a conditional
# so that unnecessary prompting doesn't happen if a package's
# installation fails and the `postinst' is called with `abort-upgrade',
# `abort-remove' or `abort-deconfigure'.
```

```
# Debconf
```

```
./usr/share/debconf/confmodule
```

```
case "$1" in
    configure)
```

```
# Set documentation symlinks
```

```
if [ -d /usr/share/doc/cups ]; then
```

```
    if [ ! -e /usr/share/doc/cups-bsd ]; then
```

```
        ln -sf cups-common /usr/share/doc/cups-bsd
```

```
    fi
```

```
fi
```

```
# Add cups-lpd to inetd.conf
```

```
db_get cups-bsd/setuplpd
```

```
if [ "$RET" = "true" ]; then
```

```
    update-inetd --add 'printer stream tcp nowait lp /usr/lib/cups/daemon/cups-lpd cups-lpd'
```

```
fi
```

```
::
```

```

abort-upgrade|abort-remove|abort-deconfigure)

;;

*)
    echo "postinst called with unknown argument \"\$1\" ">&2
    exit 0
;;
esac

# dh_installdeb will replace this with shell code automatically
# generated by other debhelper scripts.

#DEBHELPER#

exit 0
#!/bin/sh
# pre-m script for cups-bsd
#
# see: dh_installdeb(1)

set -e

# summary of how this script can be called:
# * <prerm> `remove'
# * <old-prerm> `upgrade' <new-version>
# * <new-prerm> `failed-upgrade' <old-version>
# * <conflictor's-prerm> `remove' `in-favour' <package> <new-version>
# * <deconfigured's-prerm> `deconfigure' `in-favour'
#   <package-being-installed> <version> `removing'
#   <conflicting-package> <version>
# for details, see /usr/doc/packaging-manual/

if [ -L /etc/printcap ]; then
    rm -f /etc/printcap
fi

case "$1" in
    remove|upgrade|deconfigure)
        # Remove documentation links
        rm -rf /usr/share/doc/cups-bsd

        # Disable inetd entry
        update-inetd --pattern cups-lpd --disable printer
        ;;
    failed-upgrade)
        ;;
)

```



```

*)
    echo "prerm called with unknown argument \"${1}\" ">&2
    exit 0
;;
esac

# dh_installdeb will replace this with shell code automatically
# generated by other debhelper scripts.

#DEBHELPER#

exit 0
usr/sbin/lpc
usr/bin/lpq
usr/bin/lpr
usr/bin/lprm
usr/share/man/man1/lpr.1.gz
usr/share/man/*/man1/lpr.1.gz
usr/share/man/man1/lprm.1.gz
usr/share/man/*/man1/lprm.1.gz
usr/share/man/man1/lpq.1.gz
usr/share/man/*/man1/lpq.1.gz
usr/share/man/man8/cups-lpd.8.gz
usr/share/man/*/man8/cups-lpd.8.gz
usr/share/man/man8/lpc.8.gz
usr/share/man/*/man8/lpc.8.gz
#!/bin/sh
# preinst script for cups-bsd
#
# see: dh_installdeb(1)

set -e

# summary of how this script can be called:
# * <new-preinst> `install'
# * <new-preinst> `install' <old-version>
# * <new-preinst> `upgrade' <old-version>
# * <old-preinst> `abort-upgrade' <new-version>

case "$1" in
    install)
        ;;

    upgrade)
        if [ ! -L /usr/share/doc/cups-bsd ]; then
            rm -rf /usr/share/doc/cups-bsd
        fi
        ;;

```

```

abort-upgrade)
;;

*)
    echo "preinst called with unknown argument \"\$1\" ">&2
    exit 0
;;
esac

# dh_installdeb will replace this with shell code automatically
# generated by other debhelper scripts.

#DEBHELPER#

exit 0
#!/bin/sh
# postrm script for cups-bsd
#
# see: dh_installdeb(1)

set -e

# summary of how this script can be called:
# * <postrm> `remove'
# * <postrm> `purge'
# * <old-postrm> `upgrade' <new-version>
# * <new-postrm> `failed-upgrade' <old-version>
# * <new-postrm> `abort-install'
# * <new-postrm> `abort-install' <old-version>
# * <new-postrm> `abort-upgrade' <old-version>
# * <disappearer's-postrm> `disappear' <r>overwrit>r> <new-version>
# for details, see /usr/doc/packaging-manual/

case "$1" in
    purge)
        # Remove inetd entry
        update-inetd --pattern cups-lpd --remove printer 2>/dev/null || true
        ;;

    remove|upgrade|failed-upgrade|abort-install|abort-upgrade|disappear)
        ;;

    *)
        echo "postrm called with unknown argument \"\$1\" ">&2
        exit 0

```

```
esac

# dh_installdeb will replace this with shell code automatically
# generated by other debhelper scripts.

#DEBHELPER#

# These templates have been reviewed by debian-110n-english
# Please do not modify them without asking for a review

Template: cups-bsd/setuplpd
Type: boolean
Default: false
_Description: Do you want to set up the BSD lpd compatibility server?
The CUPS package contains a server that can accept BSD-style print
jobs and submit them to CUPS. It should only be set up if other
computers are likely to submit jobs over the network via the "BSD" or
"LPR" services, and these computers cannot be converted to use the
IPP protocol that CUPS uses.
#!/bin/sh

set -e

# Debconf library
./usr/share/debconf/confmodule

db_input medium cups-bsd/setuplpd || true
db_go
```

1.63 curl 7.18.2-8lenny4

1.63.1 Available under license :

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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.

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libpgg-error) and they too are LGPL- or GPL-licensed.

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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.

krb4

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.

MIT Kerberos <http://web.mit.edu/kerberos/www/dist/>

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fbopenssl

(Used for SPNEGO support) Unclear license. Based on its name, I assume that it uses the OpenSSL license and thus shares the same issues as described for OpenSSL above.

libidn <http://josefsson.org/libidn/>

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL is a variation of GPL with slightly less aggressive "copyleft". This license requires more requirements to be met when distributing binaries, see the license for details. Also note that if you distribute a binary that includes this library, you must also include the full LGPL license text. Please properly point out what parts of the distributed package that the license addresses.

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 license.

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Upstream-Name: curl

Source: <http://curl.haxx.se>

Files: *

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tests/certs/scripts/genserv.sh
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lib/inet_ntop.c

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1.64 cxf-api 2.2.11

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Version 1.1

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Version 1.1

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/* CMU libsasl

* Tim Martin

* Rob Earhart

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1.88 db 5.1.29-5

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## 1.92 dbus-glib 0.76-1

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## 2010.08.28+squeeze1

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## 1.99 dom4j 1.6.1

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```
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```

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

```
#!/bin/sh
```

```
find . -type f \! -name *~ \! -exec grep -q Begin-Header \{\} \; -print \
| grep -v ^./build
#
This is a Makefile stub which handles the creation of BSD shared
libraries.
#
In order to use this stub, the following makefile variables must be defined.
#
BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
```

```
all:: image
```

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

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

```
image: $(BSD_LIB)
```

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

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

```
install-strip: install
```

```
install-shlibs-strip: install-shlibs
```

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

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

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Index: tdbsa/tdb.c

-----  
--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.  
+ trivial database library - standalone version

- trivial database library - private includes

-

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## 1.103 ebttables 2.0.9.2-2

### 1.103.1 Available under license :

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It is currently maintained by Jochen Friedrich <jochen@scram.de>  
and Jan Christoph Nordholz <hesso@pool.math.tu-berlin.de>.

It was downloaded from <http://ebtables.sourceforge.net>

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## 1.104 ecj 3.5.1

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

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

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

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- b. Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c. If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d. Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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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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This is the Debian package of expat, the C library for parsing XML.

The source package was downloaded from <URL:http://expat.sourceforge.net>.

The original packager is Adam Di Carlo <aph@debian.org>. The current maintainer is Ardo van Rangelrooij <ardo@debian.org>.

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## 1.109 fam 2.7.0-17

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Version 3, 29 June 2007

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

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

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

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

Debian maintainer history: The original package was put together by Ian Murdock <[imurdock@debian.org](mailto:imurdock@debian.org)>, afterwards Kevin Dalley <[kevind@rahul.net](mailto:kevind@rahul.net)> took over. 2003-07 Andreas Metzler <[ametzler@debian.org](mailto:ametzler@debian.org)> followed.

Upstream Authors:

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The idea for -print0 and xargs -0 came from Dan Bernstein <[brnstnd@kramden.acf.nyu.edu](mailto:brnstnd@kramden.acf.nyu.edu)>.

Improvements have been made by James Youngman <[jay@gnu.org](mailto:jay@gnu.org)>.

\* GNU xargs was originally written by Mike Rendell, with enhancements by David MacKenzie. Modifications by James Youngman Dmitry V. Levin

\* GNU locate and its associated utilities were originally written by James Woods, with enhancements by David MacKenzie, James Youngman

and Bas van Gompel.

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## 1.113 flashybrid 0.16

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flashybrid: automates use of a flash disk as the root filesystem

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This package is currently maintained by Diego Iastrubni <diego.iastrubni@xorcom.com>.

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```

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```
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```

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

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## 1.114.1 Available under license :

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# 1.115 fonts-arphic-uming 0.2.20080216.2-4

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11016811

0.  
PLPLBIG-5PLPLGBTTrueTypeglyph table

PLPublic License

1.  
ARPHICPL.TXT

2.  
glyph table

a)

b)

c)

3.

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7.

8.  
10

dir  
4340

[svn+ssh://svn.debian.org/svn/pkg-fonts/packages/ttf-arphic-uming/trunk/license/zh\\_TW.utf-8](https://svn.debian.org/svn/pkg-fonts/packages/ttf-arphic-uming/trunk/license/zh_TW.utf-8)  
[svn+ssh://svn.debian.org/svn/pkg-fonts](https://svn.debian.org/svn/pkg-fonts)

2010-05-29T06:32:24.059815Z

2544

henrich

7376ef65-540e-0410-8a1a-a90064c4b4ec

ARPHICPL.txt

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2010-05-29T06:32:24.059815Z

2544

henrich

has-props

5812  
K 13  
svn:mime-type  
V 24  
application/octet-stream  
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dir  
4340  
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svn+ssh://svn.debian.org/svn/pkg-fonts

2010-05-29T06:32:24.059815Z  
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henrich

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ARPHICPL.TXT  
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2010-05-29T06:32:24.059815Z  
2544  
henrich

has-props

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2010-05-29T06:32:24.059815Z

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zh\_CN.utf-8

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big5

dir

gb

dir

english

dir

zh\_TW.utf-8

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4340

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svn+ssh://svn.debian.org/svn/pkg-fonts

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ARPHICPL.TXT

file

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8.@l`vDv

@@DkWwHPNAbpUA@vHHWQ\oHsBArAz]r]]AN~AFBQqIF~^PBBMBMBSg@ltdAY@vHLHwli~C  
10

dir

4340

svn+ssh://svn.debian.org/svn/pkg-fonts/packages/ttf-arphic-uming/trunk/license/big5

svn+ssh://svn.debian.org/svn/pkg-fonts

2010-05-29T06:32:24.059815Z

2544

henrich

7376ef65-540e-0410-8a1a-a90064c4b4ec

ARPHICPL.TXT

file

2011-11-12T19:17:17.000000Z

59a4ec9d64e5164f2217cdd2f636b3fc

2010-05-29T06:32:24.059815Z

2544

henrich

3932

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dir

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svn+ssh://svn.debian.org/svn/pkg-fonts/packages/ttf-arphic-uming/trunk/license/zh\_CN.utf-8

svn+ssh://svn.debian.org/svn/pkg-fonts

2010-05-29T06:32:24.059815Z

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henrich

7376ef65-540e-0410-8a1a-a90064c4b4ec

ARPHICPL.txt

file

2011-11-12T19:17:17.000000Z

c39f5c96427c8be4a880a0d4b3b0959e

2010-05-29T06:32:24.059815Z

2544

henrich

has-props

5806

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Author/Designer:

Original author:

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Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Name: un-fonts

Maintainer: Park, Won-kyu <wkpark@chem.skku.ac.kr>

Jungshik Shin <jshin@mailaps.org>

Source: <http://kldp.net/projects/unfonts>

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## 1.120 gcc-4.3 4.3.2-1.1

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## 1.121 gcc-4.4 4.4.7-2

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## 1.124 gdbm 1.8.3-3

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## 1.127 geronimo-jaxws\_2.1\_spec 1.0

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```
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## 1.132 gnupg 1.4.10-4+squeeze1

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# 1.133 gnutls26 2.12.20 :2011-09-03 Andreas Metzler



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@end enumerate

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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Version 3, 29 June 2007

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# 1.136 grep 2.6.3-3

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There are many others who have contributed patches; we thank them,  
GTK+ is much better because of them.

Over time, GTK+ has incorporated some pieces of software which  
started as independent projects. We list the original authors here:

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-----  
Raymond Penners  
Dom Lachowicz

Pixbuf theme engine

-----  
Owen Taylor

IME input method

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Takuro Ashie  
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Mac OS X backend

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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

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

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

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

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

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

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

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## 1.141 hal 0.5.14-3

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## 1.142 hibernate-commons-annotations 3.2.0

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 */
package org.hibernate.annotations.common.reflection.java.generics;

import java.lang.reflect.GenericArrayType;
import java.lang.reflect.ParameterizedType;
import java.lang.reflect.Type;
import java.lang.reflect.TypeVariable;
import java.lang.reflect.WildcardType;
import java.util.HashMap;

/**
 * Binds formal type arguments (typically T, E, etc.) to actual types.
 *
 * @author Davide Marchignoli
 * @author Paolo Perrotta
 */
class SimpleTypeEnvironment extends HashMap<Type, Type> implements TypeEnvironment {
```

```

private static final long serialVersionUID = 1L;

private final TypeSwitch<Type> substitute = new TypeSwitch<Type>() {
@Override
public Type caseClass(Class classType) {
return classType;
}

@Override
public Type caseGenericType(GenericType genericType) {
Type originalComponentType = genericType.getGenericComponentType();
Type boundComponentType = bind(originalComponentType);
// try to keep the original type if possible
if (originalComponentType == boundComponentType) {
return genericType;
}
return TypeFactory.createArrayType(boundComponentType);
}

@Override
public Type caseParameterizedType(ParameterizedType parameterizedType) {
Type[] originalArguments = parameterizedType.getActualTypeArguments();
Type[] boundArguments = substitute(originalArguments);
// try to keep the original type if possible
if (areSame(originalArguments, boundArguments)) {
return parameterizedType;
}
return TypeFactory.createParameterizedType(
parameterizedType.getRawType(), boundArguments, parameterizedType.getOwnerType()
);
}

private boolean areSame(Object[] array1, Object[] array2) {
if (array1.length != array2.length) {
return false;
}
for (int i = 0; i < array1.length ; i++) {
if (array1[i] != array2[i]) {
return false;
}
}
return true;
}

@Override
public Type caseTypeVariable(TypeVariable typeVariable) {
if (!containsKey(typeVariable)) {
return typeVariable;
}
}

```

```

 }
 return get(typeVariable);
}

@Override
public Type caseWildcardType(WildcardType wildcardType) {
 return wildcardType;
}
};

public SimpleTypeEnvironment(Type[] formalTypeArgs, Type[] actualTypeArgs) {
 for (int i = 0; i < formalTypeArgs.length; i++) {
 put(formalTypeArgs[i], actualTypeArgs[i]);
 }
}

public Type bind(Type type) {
 return substitute.doSwitch(type);
}

private Type[] substitute(Type[] types) {
 Type[] substTypes = new Type[types.length];
 for (int i = 0; i < substTypes.length ; i++) {
 substTypes[i] = bind(types[i]);
 }
 return substTypes;
}
}
/*
 * Hibernate, Relational Persistence for Idiomatic Java
 *
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```



```

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*/
package org.hibernate.annotations.common.reflection.java;

import java.lang.reflect.Type;
import java.util.Collection;

import org.hibernate.annotations.common.reflection.XClass;
import org.hibernate.annotations.common.reflection.java.generics.TypeEnvironment;

/**
 * @author Emmanuel Bernard
 * @author Paolo Perrotta
 */
class JavaXSimpleType extends JavaXType {

 public JavaXSimpleType(Type type, TypeEnvironment context, JavaReflectionManager factory) {
 super(type, context, factory);
 }

 public boolean isArray() {
 return false;
 }

 public boolean isCollection() {
 return false;
 }

 public XClass getElementClass() {
 return toXClass(approximate());
 }

 public XClass getClassOrElementClass() {
 return getElementClass();
 }

 public Class<? extends Collection> getCollectionClass() {
 return null;
 }

 public XClass getType() {
 return toXClass(approximate());
 }

 public XClass getMapKey() {
 return null;
 }
}

```

}

# 1.143 hibernate-core 3.6.0

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Version 2.1, February 1999

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\* Hibernate, Relational Persistence for Idiomatic Java

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# 1.144 hibernate-jpa-2.0-api 1.0.1

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## 1.145 hostname 3.04

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## 1.146 hsqldb 2.2.4

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```
create table ${schemaObjectPrefix}JOURNAL (REVISION_ID BIGINT NOT NULL, JOURNAL_ID
varchar(255), PRODUCER_ID varchar(255), REVISION_DATA blob)
create unique index ${schemaObjectPrefix}JOURNAL_IDX on ${schemaObjectPrefix}JOURNAL
(REVISION_ID)
create table ${schemaObjectPrefix}GLOBAL_REVISION (REVISION_ID BIGINT NOT NULL)
create unique index ${schemaObjectPrefix}GLOBAL_REVISION_IDX on
${schemaObjectPrefix}GLOBAL_REVISION (REVISION_ID)
create table ${schemaObjectPrefix}LOCAL_REVISIONS (JOURNAL_ID varchar(255) NOT NULL,
REVISION_ID BIGINT NOT NULL)
```

# Inserting the one and only revision counter record now helps avoiding race conditions

```
insert into ${schemaObjectPrefix}GLOBAL_REVISION VALUES(0)
```

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## 1.147 hsqldb\_Apachev2 2.2.4

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```
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create table ${schemaObjectPrefix}JOURNAL (REVISION_ID BIGINT NOT NULL, JOURNAL_ID
varchar(255), PRODUCER_ID varchar(255), REVISION_DATA blob)
create unique index ${schemaObjectPrefix}JOURNAL_IDX on ${schemaObjectPrefix}JOURNAL
(REVISION_ID)
create table ${schemaObjectPrefix}GLOBAL_REVISION (REVISION_ID BIGINT NOT NULL)
create unique index ${schemaObjectPrefix}GLOBAL_REVISION_IDX on
${schemaObjectPrefix}GLOBAL_REVISION (REVISION_ID)
create table ${schemaObjectPrefix}LOCAL_REVISIONS (JOURNAL_ID varchar(255) NOT NULL,
REVISION_ID BIGINT NOT NULL)

Inserting the one and only revision counter record now helps avoiding race conditions
insert into ${schemaObjectPrefix}GLOBAL_REVISION VALUES(0)
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## 1.148 hsqldb\_LGPLv2.1 2.2.4

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```

```
*
```

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```

```
package net.sourceforge.htmlunit.corejs.classfile;
```

```
/**
```

```
* This class provides opcode values expected by the JVM in Java class files.
```

```
*
```

```
* It also provides tables for internal use by the ClassFileWriter.
```

```
*
```

```
* @author Roger Lawrence
```

```
*/
```

```
public class ByteCode {
```

```
/**
```

```
* The byte opcodes defined by the Java Virtual Machine.
```

```
*/
```

```
public static final int
```

```
 NOP = 0x00,
```

```
 ACONST_NULL = 0x01,
```

```
 ICONST_M1 = 0x02,
```

```
 ICONST_0 = 0x03,
```

```
 ICONST_1 = 0x04,
```

```
 ICONST_2 = 0x05,
```

```
 ICONST_3 = 0x06,
```

```
 ICONST_4 = 0x07,
```

```
 ICONST_5 = 0x08,
```

```
 LCONST_0 = 0x09,
```

```
 LCONST_1 = 0x0A,
```

```
 FCONST_0 = 0x0B,
```

```
 FCONST_1 = 0x0C,
```

```
 FCONST_2 = 0x0D,
```

```
 DCONST_0 = 0x0E,
```

```
 DCONST_1 = 0x0F,
```

```
 BIPUSH = 0x10,
```

```
 SIPUSH = 0x11,
```

```
 LDC = 0x12,
```

```
 LDC_W = 0x13,
```

```
 LDC2_W = 0x14,
```

```
 ILOAD = 0x15,
```

```
 LLOAD = 0x16,
```

```
 FLOAD = 0x17,
```

```
 DLOAD = 0x18,
```

ALOAD = 0x19,  
ILOAD\_0 = 0x1A,  
ILOAD\_1 = 0x1B,  
ILOAD\_2 = 0x1C,  
ILOAD\_3 = 0x1D,  
LLOAD\_0 = 0x1E,  
LLOAD\_1 = 0x1F,  
LLOAD\_2 = 0x20,  
LLOAD\_3 = 0x21,  
FLOAD\_0 = 0x22,  
FLOAD\_1 = 0x23,  
FLOAD\_2 = 0x24,  
FLOAD\_3 = 0x25,  
DLOAD\_0 = 0x26,  
DLOAD\_1 = 0x27,  
DLOAD\_2 = 0x28,  
DLOAD\_3 = 0x29,  
ALOAD\_0 = 0x2A,  
ALOAD\_1 = 0x2B,  
ALOAD\_2 = 0x2C,  
ALOAD\_3 = 0x2D,  
IALOAD = 0x2E,  
LALOAD = 0x2F,  
FALOAD = 0x30,  
DALOAD = 0x31,  
AALOAD = 0x32,  
BALOAD = 0x33,  
CALOAD = 0x34,  
SALOAD = 0x35,  
ISTORE = 0x36,  
LSTORE = 0x37,  
FSTORE = 0x38,  
DSTORE = 0x39,  
ASTORE = 0x3A,  
ISTORE\_0 = 0x3B,  
ISTORE\_1 = 0x3C,  
ISTORE\_2 = 0x3D,  
ISTORE\_3 = 0x3E,  
LSTORE\_0 = 0x3F,  
LSTORE\_1 = 0x40,  
LSTORE\_2 = 0x41,  
LSTORE\_3 = 0x42,  
FSTORE\_0 = 0x43,  
FSTORE\_1 = 0x44,  
FSTORE\_2 = 0x45,  
FSTORE\_3 = 0x46,  
DSTORE\_0 = 0x47,  
DSTORE\_1 = 0x48,



DSTORE\_2 = 0x49,  
DSTORE\_3 = 0x4A,  
ASTORE\_0 = 0x4B,  
ASTORE\_1 = 0x4C,  
ASTORE\_2 = 0x4D,  
ASTORE\_3 = 0x4E,  
IASTORE = 0x4F,  
LASTORE = 0x50,  
FASTORE = 0x51,  
DASTORE = 0x52,  
AASTORE = 0x53,  
BASTORE = 0x54,  
CASTORE = 0x55,  
SASTORE = 0x56,  
POP = 0x57,  
POP2 = 0x58,  
DUP = 0x59,  
DUP\_X1 = 0x5A,  
DUP\_X2 = 0x5B,  
DUP2 = 0x5C,  
DUP2\_X1 = 0x5D,  
DUP2\_X2 = 0x5E,  
SWAP = 0x5F,  
IADD = 0x60,  
LADD = 0x61,  
FADD = 0x62,  
DADD = 0x63,  
ISUB = 0x64,  
LSUB = 0x65,  
FSUB = 0x66,  
DSUB = 0x67,  
IMUL = 0x68,  
LMUL = 0x69,  
FMUL = 0x6A,  
DMUL = 0x6B,  
IDIV = 0x6C,  
LDIV = 0x6D,  
FDIV = 0x6E,  
DDIV = 0x6F,  
IREM = 0x70,  
LREM = 0x71,  
FREM = 0x72,  
DREM = 0x73,  
INEG = 0x74,  
LNEG = 0x75,  
FNEG = 0x76,  
DNEG = 0x77,  
ISHL = 0x78,

LSHL = 0x79,  
ISHR = 0x7A,  
LSHR = 0x7B,  
IUSHR = 0x7C,  
LUSHR = 0x7D,  
IAND = 0x7E,  
LAND = 0x7F,  
IOR = 0x80,  
LOR = 0x81,  
IXOR = 0x82,  
LXOR = 0x83,  
IINC = 0x84,  
I2L = 0x85,  
I2F = 0x86,  
I2D = 0x87,  
L2I = 0x88,  
L2F = 0x89,  
L2D = 0x8A,  
F2I = 0x8B,  
F2L = 0x8C,  
F2D = 0x8D,  
D2I = 0x8E,  
D2L = 0x8F,  
D2F = 0x90,  
I2B = 0x91,  
I2C = 0x92,  
I2S = 0x93,  
LCMP = 0x94,  
FCMPL = 0x95,  
FCMPG = 0x96,  
DCMPL = 0x97,  
DCMPG = 0x98,  
IFEQ = 0x99,  
IFNE = 0x9A,  
IFLT = 0x9B,  
IFGE = 0x9C,  
IFGT = 0x9D,  
IFLE = 0x9E,  
IF\_ICMPEQ = 0x9F,  
IF\_ICMPNE = 0xA0,  
IF\_ICMPLT = 0xA1,  
IF\_ICMPGE = 0xA2,  
IF\_ICMPGT = 0xA3,  
IF\_ICMPLE = 0xA4,  
IF\_ACMPEQ = 0xA5,  
IF\_ACMPLT = 0xA6,  
GOTO = 0xA7,  
JSR = 0xA8,

RET = 0xA9,  
TABLESWITCH = 0xAA,  
LOOKUPSWITCH = 0xAB,  
IRETURN = 0xAC,  
LRETURN = 0xAD,  
FRETURN = 0xAE,  
DRETURN = 0xAF,  
ARETURN = 0xB0,  
RETURN = 0xB1,  
GETSTATIC = 0xB2,  
PUTSTATIC = 0xB3,  
GETFIELD = 0xB4,  
PUTFIELD = 0xB5,  
INVOKEVIRTUAL = 0xB6,  
INVOKESPECIAL = 0xB7,  
INVOKESTATIC = 0xB8,  
INVOKEINTERFACE = 0xB9,  
NEW = 0xBB,  
NEWARRAY = 0xBC,  
ANEWARRAY = 0xBD,  
ARRAYLENGTH = 0xBE,  
ATHROW = 0xBF,  
CHECKCAST = 0xC0,  
INSTANCEOF = 0xC1,  
MONITORENTER = 0xC2,  
MONITOREXIT = 0xC3,  
WIDE = 0xC4,  
MULTIANEWARRAY = 0xC5,  
IFNULL = 0xC6,  
IFNONNULL = 0xC7,  
GOTO\_W = 0xC8,  
JSR\_W = 0xC9,  
BREAKPOINT = 0xCA,

IMPDEP1 = 0xFE,  
IMPDEP2 = 0xFF;

/\*\*

\* Types for the NEWARRAY opcode.

\*/

public static final byte

T\_BOOLEAN = 4,

T\_CHAR = 5,

T\_FLOAT = 6,

T\_DOUBLE = 7,

T\_BYTE = 8,

T\_SHORT = 9,

T\_INT = 10,

T\_LONG = 11;

}

# 1.151 httpclient 4.1.2

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Version 2.0, January 2004

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## 1.154 ifenslave-2.6 1.1.0-17

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This package was debianized by Guus Sliepen <guus@debian.org> on Wed, 13 Jun 2001 09:31:56 +0200.

There have been several version of ifenslave circulating around in the past. For this Debian package, the source was taken from the Documentation directory of the Linux 2.6 kernel sources.

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The current ubuntu release can be found at:  
<http://archive.ubuntu.com/ubuntu/pool/main/i/initramfs-tools/>

The Debian tree is maintained with "git" at:  
[git://git.debian.org/git/kernel/initramfs-tools.git](http://git.debian.org/git/kernel/initramfs-tools.git)  
<http://git.debian.org/?p=kernel/initramfs-tools.git;a=shortlog>

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#### References

1. <http://dast.nlanr.net/Projects/Iperf>
2. <http://www.ncsa.uiuc.edu/>
3. <mailto:dast@nlanr.net>
4. <http://www.nlanr.net/>
5. <http://dast.nlanr.net/>
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```
#!/bin/bash
```

```
echo -n > debian/copyright
```

```
cat << END_OF_FILE >> debian/copyright
```

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```
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END_OF_FILE
```

```
lynx -dump doc/ui_license.html >> debian/copyright
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Christoph Lameter (christoph@lameter.com) created the Debian iptables package on March 26, 2000.

iptables sources were downloaded from:

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The core team:

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Yasuyuki Kozakai, Martin Josefsson, James Morris, Marc Boucher,  
Rusty Russell

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## 1.164 jackson-all 1.9 :3

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## 1.166 jai\_codec 1.1.3

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Java(TM) Advanced Imaging API Specification ("Specification")

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(i) You may not sublicense or distribute the TCK to any third party except for any specific TCK code files identified as redistributables in the TCK User's Guide ("Redistributables"), but only: (a) as part of a TCK Adaptor accompanying a Compatible Implementation (where a "TCK Adaptor" means a program that effects interoperability between the TCK and the Compatible Implementation); and (b) pursuant to a license agreement that protects Sun's interests consistent with the terms of the JDL;

(ii) You may not create derivative works of the TCK nor of any of its components except for the Redistributables in a TCK Adaptor;

(iii) You may not disassemble or decompile binary portions of the TCK's test suites or test tools or otherwise attempt to derive the source code from such binary portions;

(iv) You may not develop other test suites intended to validate compatibility with the Specification to which the TCK licensed hereunder corresponds;

(v) You may not use the TCK to test a third party's product;

(vi) You may not make Commercial Use of code which implements any portion of the Specification unless such code is included in a Compatible Implementation;

(vii) You may disclose Test Reports (where "Test Reports" means those reports generated by the TCK which identify only configuration information and the status of individual or aggregate test executions) for an implementation which You are attempting to certify in accordance with the terms of this JDL for the sole purpose of making Your implementation a Compatible Implementation, but you may not make any claims of comparative compatibility nor disclose any other TCK testing information to any party. For example, You cannot claim that Your implementation is "nearly compatible" or "98% compatible." When You share Test Reports in any public forum, including mailing lists, marketing material or press releases, and Your implementation is not a

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3.1 Compatible Implementation TCK Requirements. Your use of the RI and/or Modifications as part of an implementation of the Specification is a "Compatible Implementation" if the implementation meets the following requirements:

3.1.1 A Compatible Implementation must comply with the full Specification, including all its required interfaces and functionality;

3.1.2 A Compatible Implementation must either: (i) pass the most current compatibility requirements (as defined by the TCK User's Guide) which were made available by Sun one hundred twenty (120) days before first commercial shipment ("FCS") of each version of the Compatible Implementation (eg. if Your FCS was December 31, 2003, You must have passed the most current version of the TCK as of September 2, 2003); or (ii) at Your option, pass all the compatibility requirements of a newer version of the TCK and its associated TCK User's Guide;

3.1.3 A Compatible Implementation may not modify the functional behavior of the "Java Classes" which means the specific class libraries associated with the Technology; and

3.1.4 A Compatible Implementation may not modify, subset, superset or otherwise extend the Licensor Name Space, nor include any public or protected packages, classes, Java interfaces, fields or methods within the Licensor Name Space other than those required and/or authorized by the Specification. "Licensor Name Space" means the public class or interface declarations whose names begin with "java", "javax", "com.sun" or their equivalents in any subsequent naming convention adopted by Sun through the Java Community Process, or any recognized successors or replacements thereof.

3.2 Self-Certification for Compatibility. You shall self-certify that Your Compatible Implementation passes the applicable TCK as set forth above, if and when Your Compatible Implementation in fact does so, provided that:

3.2.1 If Sun policy (as communicated to You by Sun) also requires verification of compatibility for Your Compatible Implementation then You shall, prior to the FCS of the Compatible Implementation, submit verification of compatibility to Sun or to an independent test facility designated by Sun. If such verification is by an independent test facility, then the reasonable costs of such activity (including any applicable fees) shall be at Your expense. Sun may publish or otherwise disclose Your test results.

3.2.2 Upon thirty (30) days written notice by Sun, and no more than two (2) times per calendar year, You shall permit Sun or its authorized representative to inspect and test any Compatible Implementation which has been self-certified per this subsection 3.2 to ensure that such Compatible Implementation meets the compatibility and other requirements for a Compatible Implementation as set forth herein. The reasonable costs of such inspection shall be at Sun's expense; provided, however, that You shall reimburse Sun for such costs if the inspection reveals that the Compatible Implementation does not meet such requirements and these deficiencies are not cured within thirty (30) days.

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Version 1.5

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package test.unit.gov.nist.javax.sip.stack.dialog.timeout;

import gov.nist.javax.sip.DialogTimeoutEvent;
```

```

import gov.nist.javax.sip.SipStackImpl;
import gov.nist.javax.sip.DialogTimeoutEvent.Reason;

import java.util.ArrayList;
import java.util.Properties;

import javax.sip.ClientTransaction;
import javax.sip.Dialog;
import javax.sip.DialogTerminatedEvent;
import javax.sip.IOExceptionEvent;
import javax.sip.ListeningPoint;
import javax.sip.RequestEvent;
import javax.sip.ResponseEvent;
import javax.sip.ServerTransaction;
import javax.sip.SipFactory;
import javax.sip.SipListener;
import javax.sip.SipProvider;
import javax.sip.TransactionTerminatedEvent;
import javax.sip.address.Address;
import javax.sip.address.AddressFactory;
import javax.sip.address.SipURI;
import javax.sip.header.CSeqHeader;
import javax.sip.header.CallIdHeader;
import javax.sip.header.ContactHeader;
import javax.sip.header.ContentTypeHeader;
import javax.sip.header.FromHeader;
import javax.sip.header.HeaderFactory;
import javax.sip.header.MaxForwardsHeader;
import javax.sip.header.ToHeader;
import javax.sip.header.ViaHeader;
import javax.sip.message.MessageFactory;
import javax.sip.message.Request;
import javax.sip.message.Response;

import org.apache.log4j.ConsoleAppender;
import org.apache.log4j.Logger;
import org.apache.log4j.SimpleLayout;
import org.apache.log4j.helpers.NullEnumeration;

import test.tck.msgflow.callflows.ProtocolObjects;

/**
 * This class sends an INVITE and upon receiving a 200 OK it doesn't send the ACK to test is the Dialog Timeout
 * Event is correctly passed to the application
 * The timeout Reason should be ACK not sent
 *
 * @author jean deruelle
 */

```



```

public class ShootistNotImplementingSipListenerExt implements SipListener {

 private ListeningPoint listeningPoint;
 private ProtocolObjects protocolObjects;
 /* move variables as class variables from init() */
 private SipURI requestURI;

 private CSeqHeader cSeqHeader;

 private FromHeader fromHeader;

 private ToHeader toHeader;

 private MaxForwardsHeader maxForwards;

 private SipProvider sipProvider;

 private Address fromNameAddress;

 private ContentTypeHeader contentTypeHeader;

 private ContactHeader contactHeader;
 // If you want to try TCP transport change the following to
 // String transport = "tcp";
 String transport = "udp";

 private HeaderFactory headerFactory;

 private AddressFactory addressFactory;

 private MessageFactory messageFactory;

 private static String PEER_ADDRESS = Shootme.myAddress;

 private static int PEER_PORT = Shootme.myPort;

 private static String peerHostPort = PEER_ADDRESS + ":" + PEER_PORT;

 // To run on two machines change these to suit.
 public static final String myAddress = "127.0.0.1";

 private static final int myPort = 5060;

 private boolean stateIsOk = false;

 private Dialog dialog = null;

```

```

private static Logger logger = Logger.getLogger(ShootistNotImplementingSipListenerExt.class);

static {
 if (logger.getAllAppenders().equals(NullEnumeration.getInstance())) {

 logger.addAppender(new ConsoleAppender(new SimpleLayout()));

 }
}

public ShootistNotImplementingSipListenerExt(ProtocolObjects protocolObjects) {
 super();
 this.protocolObjects = protocolObjects;
 stateIsOk = protocolObjects.autoDialog;
}

public boolean checkState() {

 return stateIsOk;
}

public SipProvider createSipProvider() {
 try {
 listeningPoint = protocolObjects.sipStack.createListeningPoint(
 myAddress, myPort, protocolObjects.transport);

 sipProvider = protocolObjects.sipStack
 .createSipProvider(listeningPoint);
 return sipProvider;
 } catch (Exception ex) {
 logger.error(ex);
 DialogTimeoutTest
 .fail("Shootist: unable to create provider");
 return null;
 }
}

public void init() {
 SipFactory sipFactory = null;
 sipFactory = SipFactory.getInstance();
 sipFactory.setPathName("gov.nist");
 Properties properties = new Properties();

 /* remote peer host */
 String peerHostPort = ShootistNotImplementingSipListenerExt.peerHostPort;
 String localHost = myAddress;

 try {

```

```

headerFactory = protocolObjects.headerFactory;
addressFactory = protocolObjects.addressFactory;
messageFactory = protocolObjects.messageFactory;

String fromName = "BigGuy";
String fromSipAddress = "here.com";
String fromDisplayName = "The Master Blaster";

String toSipAddress = "there.com";
String toUser = "LittleGuy";
String toDisplayName = "The Little Blister";

// create >From Header
SipURI fromAddress = addressFactory.createSipURI(fromName,
 fromSipAddress);

fromNameAddress = addressFactory.createAddress(fromAddress);
fromNameAddress.setDisplayName(fromDisplayName);

// create To Header
SipURI toAddress = addressFactory
 .createSipURI(toUser, toSipAddress);
Address toNameAddress = addressFactory.createAddress(toAddress);
toNameAddress.setDisplayName(toDisplayName);
toHeader = headerFactory.createToHeader(toNameAddress, null);

// create Request URI
requestURI = addressFactory.createSipURI(toUser, peerHostPort);

// Create ContentTypeHeader
contentTypeHeader = headerFactory.createContentTypeHeader(
 "application", "sdp");

// Create a new MaxForwardsHeader
maxForwards = headerFactory.createMaxForwardsHeader(70);

// Create contact headers
String host = localHost;

SipURI contactUrl = addressFactory.createSipURI(fromName, host);
contactUrl.setPort(listeningPoint.getPort());

// Create the contact name address.
SipURI contactURI = addressFactory.createSipURI(fromName, host);
contactURI.setPort(listeningPoint.getPort());

Address contactAddress = addressFactory.createAddress(contactURI);

```

```

// Add the contact address.
contactAddress.setDisplayName(fromName);

contactHeader = headerFactory.createContactHeader(contactAddress);

} catch (Exception ex) {
 System.out.println(ex.getMessage());
 ex.printStackTrace();
 DialogTimeoutTest.fail("Shootist: Error on init!", ex);
}
}

public void processDialogTerminated(
 DialogTerminatedEvent dialogTerminatedEvent) {
 if(((SipStackImpl)protocolObjects.sipStack).isBackToBackUserAgent()) {
 stateIsOk = true;
 return;
 }
 if(!protocolObjects.autoDialog) {
 stateIsOk = true;
 }
}

public void processIOException(IOExceptionEvent exceptionEvent) {
 System.out.println("An IO Exception occured!");
 DialogTimeoutTest.fail("An IO Exception occured!");
}

}

public void processRequest(RequestEvent requestReceivedEvent) {
 Request request = requestReceivedEvent.getRequest();
 ServerTransaction serverTransactionId = requestReceivedEvent
 .getServerTransaction();

 System.out.println("GOT REQUEST (we shouldnt get that): "
 + request.getMethod());
 DialogTimeoutTest.fail("Shouldnt receive any request:\n"
 + request);
}

}

public void processResponse(ResponseEvent responseReceivedEvent) {
 Response response = (Response) responseReceivedEvent.getResponse();
 System.out.println("GOT RESPONSE:" + response.getStatusCode());
 if(responseReceivedEvent.getClientTransaction() == null) {
 return;
 }
 try {

```

```

 if (response.getStatusCode() == Response.OK
 && ((CSeqHeader) response.getHeader(CSeqHeader.NAME))
 .getMethod().equals(Request.INVITE)) {
 System.out.println("Not Sending ACK to test dialog timeout");
 }
 } catch (Exception ex) {
 ex.printStackTrace();

 DialogTimeoutTest.fail(
 "Shootist: Exception on process respons/send info", ex);
 }
}

public void processTimeout(javax.sip.TimeoutEvent timeoutEvent) {
 if(protocolObjects.autoDialog) {
 DialogTimeoutTest.fail(
 "Shootist: Exception on timeout, event shouldn't be thrown on automatic dailog creation by the stack");
 }
}

public void processTimeout(DialogTimeoutEvent timeoutEvent) {
 stateIsOk = false;
 DialogTimeoutTest.fail(
 "Shootist: this shouldn't be called");
}

public void processTransactionTerminated(
 TransactionTerminatedEvent transactionTerminatedEvent) {
 // System.out.println("TransactionTerminated event notification");
}

void sendInviteRequest() {
 System.out.println("====Send INVITE");
 try {
 cSeqHeader = headerFactory.createCSeqHeader(1L, Request.INVITE);

 // Create a new CallId header
 CallIdHeader callIdHeader = sipProvider.getNewCallId();

 int fromTag = 1000 + hashCode();

 fromHeader = headerFactory.createFromHeader(fromNameAddress,
 new Integer(fromTag).toString());
 String sdpData = "v=0\r\n"
 + "o=4855 13760799956958020 13760799956958020"
 + " IN IP4 129.6.55.78\r\n" + "s=mysession session\r\n"

```

```

+ "p="+46 8 52018010\r\n" + "c=IN IP4 129.6.55.78\r\n"
+ "t=0 0\r\n" + "m=audio 6022 RTP/AVP 0 4 18\r\n"
+ "a=rtpmap:0 PCMU/8000\r\n" + "a=rtpmap:4 G723/8000\r\n"
+ "a=rtpmap:18 G729A/8000\r\n" + "a=ptime:20\r\n";
// Create ViaHeaders
ArrayList viaHeaders = new ArrayList();
ViaHeader viaHeader = headerFactory.createViaHeader(myAddress,
 listeningPoint.getPort(), transport, null);

// add via headers
viaHeaders.add(viaHeader);
Request request = messageFactory.createRequest(requestURI,
 Request.INVITE, callIdHeader, cSeqHeader, fromHeader,
 toHeader, viaHeaders, maxForwards);

request.setHeader(contactHeader);
request.setContent(sdpData, contentTypeHeader);
// Create the client transaction.
ClientTransaction inviteTid = sipProvider
 .getNewClientTransaction(request);
if(!protocolObjects.autoDialog) {
 dialog = sipProvider.getNewDialog(inviteTid);
}
System.out.println("inviteTid = " + inviteTid + " sipDialog = "
 + inviteTid.getDialog());

// send the request out.
inviteTid.sendRequest();
} catch (Exception ex) {
 System.out.println("Fail to sendInviteRequest with SipException:\n"
 + ex.getMessage());
 DialogTimeoutTest.fail(
 "Shootist: Failed to send invite: ", ex);
}
return;
}
}
/*
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```
package test.unit.gov.nist.javax.sip.stack.dialog.timeout;
```

```
import gov.nist.javax.sip.DialogTimeoutEvent;
import gov.nist.javax.sip.stack.SIPDialog;
```

```
import java.util.Timer;
import java.util.TimerTask;
```

```
import javax.sip.Dialog;
import javax.sip.DialogTerminatedEvent;
import javax.sip.IOExceptionEvent;
import javax.sip.ListeningPoint;
import javax.sip.RequestEvent;
import javax.sip.ResponseEvent;
import javax.sip.ServerTransaction;
import javax.sip.SipListener;
import javax.sip.SipProvider;
import javax.sip.Transaction;
import javax.sip.TransactionTerminatedEvent;
import javax.sip.address.Address;
import javax.sip.address.AddressFactory;
import javax.sip.header.CSeqHeader;
import javax.sip.header.ContactHeader;
import javax.sip.header.HeaderFactory;
import javax.sip.header.ToHeader;
import javax.sip.message.MessageFactory;
import javax.sip.message.Request;
import javax.sip.message.Response;
```

```
import org.apache.log4j.ConsoleAppender;
import org.apache.log4j.Logger;
import org.apache.log4j.SimpleLayout;
import org.apache.log4j.helpers.NullEnumeration;
```

```
import test.tck.msgflow.callflows.ProtocolObjects;
```

```
/**
```

```
* This class receives an INVITE and sends a 180 and a 200 OK, the Shootist will not send the ACK to test is the
Dialog Timeout Event is correctly passed to the application.
```

```
* The timeout Reason should be ACK not received
```

```
*
```

```
* @author jean deruelle
```

```
*/
```

```
public class ShootmeNotImplementingListener implements SipListener {

 class TTask extends TimerTask {

 RequestEvent requestEvent;

 ServerTransaction st;

 public TTask(RequestEvent requestEvent, ServerTransaction st) {
 this.requestEvent = requestEvent;
 this.st = st;
 }

 public void run() {
 Request request = requestEvent.getRequest();
 try {
 // System.out.println("shootme: got an Invite sending OK");
 Response response = messageFactory.createResponse(180, request);
 ToHeader toHeader = (ToHeader) response.getHeader(ToHeader.NAME);
 Address address = addressFactory.createAddress("Shootme <sip:" + myAddress + ":" + myPort + ">");
 ContactHeader contactHeader = headerFactory.createContactHeader(address);
 response.addHeader(contactHeader);

 if(!protocolObjects.autoDialog) {
 ((SipProvider)requestEvent.getSource()).getNewDialog(st);
 }
 st.getDialog().setApplicationData("some junk");

 // System.out.println("got a server transaction " + st);
 st.sendResponse(response); // send 180(RING)
 response = messageFactory.createResponse(200, request);
 toHeader = (ToHeader) response.getHeader(ToHeader.NAME);
 String toTag = new Integer((int) (Math.random() *
100000)).toString()+"_ResponseCode_"+responseCodeToINFO;
 toHeader.setTag(toTag); // Application is supposed to set.

 response.addHeader(contactHeader);

 st.sendResponse(response); // send 200(OK)

 } catch (Exception ex) {
 ex.printStackTrace();
 DialogTimeoutTest.fail("Shootme: Failed in timer task!!!", ex);
 }
 }
 }
}
```



```

}

private static AddressFactory addressFactory;

private static MessageFactory messageFactory;

private static HeaderFactory headerFactory;

private boolean stateIsOk = true;

private ProtocolObjects protocolObjects;

private int responseCodeToINFO = 500;

// To run on two machines change these to suit.
public static final String myAddress = "127.0.0.1";

public static final int myPort = 5070;

private static Logger logger = Logger.getLogger(ShootmeNotImplementingListener.class);

static {
 if (logger.getAllAppenders().equals(NullEnumeration.getInstance())) {

 logger.addAppender(new ConsoleAppender(new SimpleLayout()));

 }
}

public ShootmeNotImplementingListener(ProtocolObjects protocolObjects) {
 this.protocolObjects = protocolObjects;
 stateIsOk = protocolObjects.autoDialog;
}

public boolean checkState() {

 return stateIsOk;
}

public SipProvider createSipProvider() throws Exception {
 ListeningPoint lp = protocolObjects.sipStack.createListeningPoint(myAddress, myPort,
protocolObjects.transport);

 SipProvider sipProvider = protocolObjects.sipStack.createSipProvider(lp);
 return sipProvider;
}

```

```

}

public void init() {

 headerFactory = protocolObjects.headerFactory;
 addressFactory = protocolObjects.addressFactory;
 messageFactory = protocolObjects.messageFactory;

}

/**
 * Process the ACK request. Send the bye and complete the call flow.
 */
public void processAck(RequestEvent requestEvent, ServerTransaction serverTransaction) {
 SipProvider sipProvider = (SipProvider) requestEvent.getSource();
 try {
 // System.out.println("*** shootme: got an ACK "
 // + requestEvent.getRequest());
 if (serverTransaction == null) {
 System.out.println("null server transaction -- ignoring the ACK!");
 return;
 }
 Dialog dialog = serverTransaction.getDialog();

 System.out.println("Dialog Created = " + dialog.getDialogId() + " Dialog State = " + dialog.getState());

 System.out.println("Waiting for INFO");

 } catch (Exception ex) {
 ex.printStackTrace();
 DialogTimeoutTest.fail("Shootme: Failed on process ACK", ex);
 }
}

public void processDialogTerminated(DialogTerminatedEvent dialogTerminatedEvent) {
 TimerTask timerTask = new CheckAppData(dialogTerminatedEvent.getDialog());
 new Timer().schedule(timerTask, 9000);
 // Dialog dialog = dialogTerminatedEvent.getDialog();
 //
 // System.out.println("Dialog Terminated Event " + dialog.getDialogId());
 // if (this.responseCodeToINFO>=300)
 // {
 // DialogTimeoutTest.fail("Shootme: Got DialogTerminatedEvent, this shouldnt happen");
 // stateIsOk=false;
 // }

}

```

```

public void processInfo(RequestEvent requestEvent) {
 try {
 Response info500Response = messageFactory.createResponse(this.responseCodeToINFO,
requestEvent.getRequest());
 requestEvent.getServerTransaction().sendResponse(info500Response);
 } catch (Exception e) {

 e.printStackTrace();
 DialogTimeoutTest.fail("Shootme: Failed on process INFO", e);
 }

}

/**
 * Process the invite request.
 */
public void processInvite(RequestEvent requestEvent, ServerTransaction serverTransaction) {
 try {
 // System.out.println("ProcessInvite");
 Request request = requestEvent.getRequest();
 SipProvider sipProvider = (SipProvider) requestEvent.getSource();
 // Note you need to create the Server Transaction
 // before the listener returns but you can delay sending the
 // response

 ServerTransaction st = sipProvider.getNewServerTransaction(request);

 TTask ttask = new TTask(requestEvent, st);
 int ttime = 100;

 new Timer().schedule(ttask, ttime);
 } catch (Exception ex) {
 ex.printStackTrace();
 DialogTimeoutTest.fail("Shootme: Failed on process INVITE", ex);
 }
}

public void processIOException(IOExceptionEvent exceptionEvent) {
 System.out.println("IOException event");
 DialogTimeoutTest.fail("Got IOException event");
}

public void processRequest(RequestEvent requestEvent) {
 Request request = requestEvent.getRequest();
 ServerTransaction serverTransactionId = requestEvent.getServerTransaction();

 System.out.println("GOT REQUEST: " + request.getMethod());
}

```

```

 if (request.getMethod().equals(Request.INVITE)) {
 processInvite(requestEvent, serverTransactionId);
 } else if (request.getMethod().equals(Request.ACK)) {
 processAck(requestEvent, serverTransactionId);
 } else if (request.getMethod().equals(Request.INFO)) {
 processInfo(requestEvent);
 } else if (request.getMethod().equals(Request.BYE)) {
 processBye(requestEvent, serverTransactionId);
 }
}

/**
 * Process the bye request.
 */
public void processBye(RequestEvent requestEvent,
 ServerTransactionId serverTransactionId) {
 SipProvider sipProvider = (SipProvider) requestEvent.getSource();
 Request request = requestEvent.getRequest();
 Dialog dialog = requestEvent.getDialog();
 System.out.println("local party = " + dialog.getLocalParty());
 try {
 System.out.println("shootme: got a bye sending OK.");
 Response response = messageFactory.createResponse(200, request);
 serverTransactionId.sendResponse(response);
 System.out.println("Dialog State is "
 + serverTransactionId.getDialog().getState());

 } catch (Exception ex) {
 ex.printStackTrace();
 System.exit(0);
 }
}

public void processResponse(ResponseEvent responseReceivedEvent) {
 // System.out.println("Got a response");
 Response response = (Response) responseReceivedEvent.getResponse();
 Transaction tid = responseReceivedEvent.getClientTransaction();

 // System.out.println("Response received with client transaction id "
 // + tid + ":\n" + response);

 System.out.println("GOT RESPONSE: " + response.getStatusCode());
 try {
 if (response.getStatusCode() == Response.OK && ((CSeqHeader)
response.getHeader(CSeqHeader.NAME)).getMethod().equals(Request.INVITE)) {

```

```

 Dialog dialog = tid.getDialog();
 Request request = tid.getRequest();
 dialog.sendAck(request);
 }

 } catch (Exception ex) {
 ex.printStackTrace();
 DialogTimeoutTest.fail("Shootme: Failed on process response: " + response.getStatusCode(), ex);
 }

}

public void processTimeout(javax.sip.TimeoutEvent timeoutEvent) {

 if(protocolObjects.autoDialog) {
 DialogTimeoutTest.fail(
 "Shootme: Exception on timeout, event shouldn't be thrown on automatic dialog creation by the stack");
 stateIsOk = false;
 }
 /*
 * System.out.println("state = " + transaction.getState());
 * System.out.println("dialog = " + transaction.getDialog());
 * System.out.println("dialogState = " +
 * transaction.getDialog().getState());
 * System.out.println("Transaction Time out" +
 * transaction.getBranchId());
 */
}

public void processTimeout(DialogTimeoutEvent timeoutEvent) {
 DialogTimeoutTest.fail(
 "Shootme: Exception on timeout, event shouldn't be thrown since the listener is not implemented");
}

public void processTransactionTerminated(TransactionTerminatedEvent transactionTerminatedEvent) {
 // System.out.println("TransactionTerminatedEvent");
}

public void setResponseCodeToINFO(int responseCodeToINFO) {
 this.responseCodeToINFO = responseCodeToINFO;
}

/**
 * @param stateIsOk the stateIsOk to set
 */
public void setStateIsOk(boolean stateIsOk) {

```

```

this.stateIsOk = stateIsOk;
}

/**
 * @return the stateIsOk
 */
public boolean isStateIsOk() {
 return stateIsOk;
}

class CheckAppData extends TimerTask {
 Dialog dialog;

 public CheckAppData(Dialog dialog) {
 this.dialog = dialog;
 }

 public void run() {
 System.out.println("Checking app data " + dialog.getApplicationData());
 if(dialog.getApplicationData() == null || !dialog.getApplicationData().equals("some junk")) {
 stateIsOk = false;
 DialogTimeoutTest.fail("application data should never be null except if nullified by the application !");
 }
 }
}

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 *

```

```

*
*
*/
/*****
* Product of NIST/ITL Advanced Networking Technologies Division (ANTD) *
*****/
package gov.nist.java.sip.message;

import gov.nist.java.sip.header.*;
import java.text.ParseException;

/**
 * Duplicate header exception: thrown when there is more
 * than one header of a type where there should only be one.
 * The exception handler may choose to :
 * 1. discard the duplicate by returning null
 * 2. keep the duplicate by just returning it.
 * 3. Discard the entire message by throwing an exception.
 * @version 1.2 $Revision: 1.6 $ $Date: 2009/07/17 18:57:54 $
 * @since 1.1
 * @author M. Ranganathan
 */
public class SIPDuplicateHeaderException extends ParseException {

 private static final long serialVersionUID = 8241107266407879291L;
 protected SIPHeader sipHeader;
 protected SIPMessage sipMessage;
 public SIPDuplicateHeaderException(String msg) {
 super(msg, 0);
 }
 public SIPMessage getSIPMessage() {
 return sipMessage;
 }
 public SIPHeader getSIPHeader() {
 return sipHeader;
 }
 public void setSIPHeader(SIPHeader sipHeader) {
 this.sipHeader = sipHeader;
 }
 public void setSIPMessage(SIPMessage sipMessage) {
 this.sipMessage = sipMessage;
 }
}
/**
 * Conditions Of Use

```

```

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*
* .
*
*/
/*****
* Product of NIST/ITL Advanced Networking Technologies Division (ANTD). *
*****/
package gov.nist.javax.sip.message;

import java.text.ParseException;
import javax.sip.header.*;

import java.util.LinkedList;
import java.util.List;
import gov.nist.javax.sip.header.*;

import javax.sip.message.*;
import javax.sip.address.*;
import gov.nist.javax.sip.parser.*;

/**
 * Message Factory implementation
 *
 * @version 1.2 $Revision: 1.24 $ $Date: 2010/05/06 14:08:03 $
 * @since 1.1
 *
 * @author M. Ranganathan

 * @author Olivier Deruelle

 *

```



```

*/
@SuppressWarnings("unchecked")
public class MessageFactoryImpl implements MessageFactory, MessageFactoryExt {

 private boolean testing = false;

 private boolean strict = true;

 private static String defaultContentEncodingCharset = "UTF-8";

 /*
 * The UserAgent header to include for all requests created from this message factory.
 */
 private static UserAgentHeader userAgent;

 /*
 * The Server header to include
 */
 private static ServerHeader server;

 public void setStrict(boolean strict) {
 this.strict = strict;
 }

 /**
 * This is for testing -- allows you to generate invalid requests
 */
 public void setTest(boolean flag) {
 this.testing = flag;
 }

 /**
 * Creates a new instance of MessageFactoryImpl
 */
 public MessageFactoryImpl() {
 }

 /**
 * Creates a new Request message of type specified by the method paramater,
 * containing the URI of the Request, the mandatory headers of the message
 * with a body in the form of a Java object and the body content type.
 *
 * @param requestURI -
 * the new URI object of the requestURI value of this Message.

```

```

* @param method -
* the new string of the method value of this Message.
* @param callId -
* the new CallIdHeader object of the callId value of this
* Message.
* @param cSeq -
* the new CSeqHeader object of the cSeq value of this Message.
* @param from -
* the new FromHeader object of the from value of this Message.
* @param to -
* the new ToHeader object of the to value of this Message.
* @param via -
* the new List object of the ViaHeaders of this Message.
* @param content -
* the new Object of the body content value of this Message.
* @param contentType -
* the new ContentTypeHeader object of the content type value of
* this Message.
* @throws ParseException
* which signals that an error has been reached unexpectedly
* while parsing the method or the body.
*/
public Request createRequest(javax.sip.address.URI requestURI,
 String method, CallIdHeader callId, CSeqHeader cSeq,
 FromHeader from, ToHeader to, List via,
 MaxForwardsHeader maxForwards, ContentTypeHeader contentType,
 Object content) throws ParseException {
 if (requestURI == null || method == null || callId == null
 || cSeq == null || from == null || to == null || via == null
 || maxForwards == null || contentType == null
 || content == null)
 throw new NullPointerException("Null parameters");

 SIPRequest sipRequest = new SIPRequest();
 sipRequest.setRequestURI(requestURI);
 sipRequest.setMethod(method);
 sipRequest.setCallId(callId);
 sipRequest.setCSeq(cSeq);
 sipRequest.setFrom(from);
 sipRequest.setTo(to);
 sipRequest.setVia(via);
 sipRequest.setMaxForwards(maxForwards);
 sipRequest.setContent(content, contentType);
 if (userAgent != null) {
 sipRequest.setHeader(userAgent);
 }

 return sipRequest;
}

```

```

}

/**
 * Creates a new Request message of type specified by the method parameter,
 * containing the URI of the Request, the mandatory headers of the message
 * with a body in the form of a byte array and body content type.
 *
 * @param requestURI -
 * the new URI object of the requestURI value of this Message.
 * @param method -
 * the new string of the method value of this Message.
 * @param callId -
 * the new CallIdHeader object of the callId value of this
 * Message.
 * @param cSeq -
 * the new CSeqHeader object of the cSeq value of this Message.
 * @param from -
 * the new FromHeader object of the from value of this Message.
 * @param to -
 * the new ToHeader object of the to value of this Message.
 * @param via -
 * the new List object of the ViaHeaders of this Message.
 * @param content -
 * the new byte array of the body content value of this Message.
 * @param contentType -
 * the new ContentTypeHeader object of the content type value of
 * this Message.
 * @throws ParseException
 * which signals that an error has been reached unexpectedly
 * while parsing the method or the body.
 */
public Request createRequest(URI requestURI, String method,
 CallIdHeader callId, CSeqHeader cSeq, FromHeader from, ToHeader to,
 List via, MaxForwardsHeader maxForwards, byte[] content,
 ContentTypeHeader contentType) throws ParseException {
 if (requestURI == null || method == null || callId == null
 || cSeq == null || from == null || to == null || via == null
 || maxForwards == null || content == null
 || contentType == null)
 throw new ParseException(
 "JAIN-SIP Exception, some parameters are missing"
 + ", unable to create the request", 0);

 SIPRequest sipRequest = new SIPRequest();
 sipRequest.setRequestURI(requestURI);
 sipRequest.setMethod(method);
 sipRequest.setCallId(callId);
 sipRequest.setCSeq(cSeq);

```

```

sipRequest.setFrom(from);
sipRequest.setTo(to);
sipRequest.setVia(via);
sipRequest.setMaxForwards(maxForwards);
sipRequest.setHeader((ContentType) contentType);
sipRequest.setMessageContent(content);
if (userAgent != null) {
 sipRequest.setHeader(userAgent);
}
return sipRequest;
}

/**
 * Creates a new Request message of type specified by the method parameter,
 * containing the URI of the Request, the mandatory headers of the message.
 * This new Request does not contain a body.
 *
 * @param requestURI -
 * the new URI object of the requestURI value of this Message.
 * @param method -
 * the new string of the method value of this Message.
 * @param callId -
 * the new CallIdHeader object of the callId value of this
 * Message.
 * @param cSeq -
 * the new CSeqHeader object of the cSeq value of this Message.
 * @param from -
 * the new FromHeader object of the from value of this Message.
 * @param to -
 * the new ToHeader object of the to value of this Message.
 * @param via -
 * the new List object of the ViaHeaders of this Message.
 * @throws ParseException
 * which signals that an error has been reached unexpectedly
 * while parsing the method.
 */
public Request createRequest(URI requestURI, String method,
 CallIdHeader callId, CSeqHeader cSeq, FromHeader from, ToHeader to,
 List via, MaxForwardsHeader maxForwards) throws ParseException {
 if (requestURI == null || method == null || callId == null
 || cSeq == null || from == null || to == null || via == null
 || maxForwards == null)
 throw new ParseException(
 "JAIN-SIP Exception, some parameters are missing"
 + ", unable to create the request", 0);

 SIPRequest sipRequest = new SIPRequest();
 sipRequest.setRequestURI(requestURI);

```

```

sipRequest.setMethod(method);
sipRequest.setCallId(callId);
sipRequest.setCSeq(cSeq);
sipRequest.setFrom(from);
sipRequest.setTo(to);
sipRequest.setVia(via);
sipRequest.setMaxForwards(maxForwards);
if (userAgent != null) {
 sipRequest.setHeader(userAgent);
}

return sipRequest;
}

// Standard Response Creation methods

/**
 * Creates a new Response message of type specified by the statusCode
 * parameter, containing the mandatory headers of the message with a body in
 * the form of a Java object and the body content type.
 *
 * @param statusCode -
 * the new integer of the statusCode value of this Message.
 * @param callId -
 * the new CallIdHeader object of the callId value of this
 * Message.
 * @param cSeq -
 * the new CSeqHeader object of the cSeq value of this Message.
 * @param from -
 * the new FromHeader object of the from value of this Message.
 * @param to -
 * the new ToHeader object of the to value of this Message.
 * @param via -
 * the new List object of the ViaHeaders of this Message.
 * @param content -
 * the new Object of the body content value of this Message.
 * @param contentType -
 * the new ContentTypeHeader object of the content type value of
 * this Message.
 * @throws ParseException
 * which signals that an error has been reached unexpectedly
 * while parsing the statusCode or the body.
 */
public Response createResponse(int statusCode, CallIdHeader callId,
 CSeqHeader cSeq, FromHeader from, ToHeader to, List via,
 MaxForwardsHeader maxForwards, Object content,
 ContentTypeHeader contentType) throws ParseException {
 if (callId == null || cSeq == null || from == null || to == null

```

```

 || via == null || maxForwards == null || content == null
 || contentType == null)
 throw new NullPointerException(" unable to create the response");

 SIPResponse sipResponse = new SIPResponse();
 StatusLine statusLine = new StatusLine();
 statusLine.setStatusCode(statusCode);
 String reasonPhrase = SIPResponse.getReasonPhrase(statusCode);
 //if (reasonPhrase == null)
 // throw new ParseException(statusCode + " Unkown ", 0);
 statusLine.setReasonPhrase(reasonPhrase);
 sipResponse.setStatusLine(statusLine);
 sipResponse.setCallId(callId);
 sipResponse.setCSeq(cSeq);
 sipResponse.setFrom(from);
 sipResponse.setTo(to);
 sipResponse.setVia(via);
 sipResponse.setMaxForwards(maxForwards);
 sipResponse.setContent(content, contentType);
 if (userAgent != null) {
 sipResponse.setHeader(userAgent);
 }
 return sipResponse;
}

/**
 * Creates a new Response message of type specified by the statusCode
 * paramater, containing the mandatory headers of the message with a body in
 * the form of a byte array and the body content type.
 *
 * @param statusCode -
 * the new integer of the statusCode value of this Message.
 * @param callId -
 * the new CallIdHeader object of the callId value of this
 * Message.
 * @param cSeq -
 * the new CSeqHeader object of the cSeq value of this Message.
 * @param from -
 * the new FromHeader object of the from value of this Message.
 * @param to -
 * the new ToHeader object of the to value of this Message.
 * @param via -
 * the new List object of the ViaHeaders of this Message.
 * @param content -
 * the new byte array of the body content value of this Message.
 * @param contentType -
 * the new ContentTypeHeader object of the content type value of
 * this Message.

```

```

* @throws ParseException
* which signals that an error has been reached unexpectedly
* while parsing the statusCode or the body.
*/
public Response createResponse(int statusCode, CallIdHeader callId,
 CSeqHeader cSeq, FromHeader from, ToHeader to, List via,
 MaxForwardsHeader maxForwards, byte[] content,
 ContentTypeHeader contentType) throws ParseException {
 if (callId == null || cSeq == null || from == null || to == null
 || via == null || maxForwards == null || content == null
 || contentType == null)
 throw new NullPointerException("Null params ");

 SIPResponse sipResponse = new SIPResponse();
 sipResponse.setStatusCode(statusCode);
 sipResponse.setCallId(callId);
 sipResponse.setCSeq(cSeq);
 sipResponse.setFrom(from);
 sipResponse.setTo(to);
 sipResponse.setVia(via);
 sipResponse.setMaxForwards(maxForwards);
 sipResponse.setHeader((ContentType) contentType);
 sipResponse.setMessageContent(content);
 if (userAgent != null) {
 sipResponse.setHeader(userAgent);
 }
 return sipResponse;
}

/**
 * Creates a new Response message of type specified by the statusCode
 * paramater, containing the mandatory headers of the message. This new
 * Response does not contain a body.
 *
 * @param statusCode -
 * the new integer of the statusCode value of this Message.
 * @param callId -
 * the new CallIdHeader object of the callId value of this
 * Message.
 * @param cSeq -
 * the new CSeqHeader object of the cSeq value of this Message.
 * @param from -
 * the new FromHeader object of the from value of this Message.
 * @param to -
 * the new ToHeader object of the to value of this Message.
 * @param via -
 * the new List object of the ViaHeaders of this Message.
 * @throws ParseException

```

```

* which signals that an error has been reached unexpectedly
* while parsing the statusCode.
*/
public Response createResponse(int statusCode, CallIdHeader callId,
 CSeqHeader cSeq, FromHeader from, ToHeader to, List via,
 MaxForwardsHeader maxForwards) throws ParseException {
 if (callId == null || cSeq == null || from == null || to == null
 || via == null || maxForwards == null)
 throw new ParseException(
 "JAIN-SIP Exception, some parameters are missing"
 + ", unable to create the response", 0);

 SIPResponse sipResponse = new SIPResponse();
 sipResponse.setStatusCode(statusCode);
 sipResponse.setCallId(callId);
 sipResponse.setCSeq(cSeq);
 sipResponse.setFrom(from);
 sipResponse.setTo(to);
 sipResponse.setVia(via);
 sipResponse.setMaxForwards(maxForwards);
 if (userAgent != null) {
 sipResponse.setHeader(userAgent);
 }
 return sipResponse;
}

// Response Creation methods based on a Request

/**
 * Creates a new Response message of type specified by the statusCode
 * paramater, based on a specific Request with a new body in the form of a
 * Java object and the body content type.
 *
 * @param statusCode -
 * the new integer of the statusCode value of this Message.
 * @param request -
 * the received Request object upon which to base the Response.
 * @param content -
 * the new Object of the body content value of this Message.
 * @param contentType -
 * the new ContentTypeHeader object of the content type value of
 * this Message.
 * @throws ParseException
 * which signals that an error has been reached unexpectedly
 * while parsing the statusCode or the body.
 */
public Response createResponse(int statusCode, Request request,
 ContentTypeHeader contentType, Object content)

```



```

 throws ParseException {
 if (request == null || content == null || contentType == null)
 throw new NullPointerException("null parameters");

 SIPRequest sipRequest = (SIPRequest) request;
 SIPResponse sipResponse = sipRequest.createResponse(statusCode);
 sipResponse.setContent(content, contentType);
 if (server != null) {
 sipResponse.setHeader(server);
 }
 return sipResponse;
}

/**
 * Creates a new Response message of type specified by the statusCode
 * parameter, based on a specific Request with a new body in the form of a
 * byte array and the body content type.
 *
 * @param statusCode -
 * the new integer of the statusCode value of this Message.
 * @param request -
 * the received Request object upon which to base the Response.
 * @param content -
 * the new byte array of the body content value of this Message.
 * @param contentType -
 * the new ContentTypeHeader object of the content type value of
 * this Message.
 * @throws ParseException
 * which signals that an error has been reached unexpectedly
 * while parsing the statusCode or the body.
 */
public Response createResponse(int statusCode, Request request,
 ContentTypeHeader contentType, byte[] content)
 throws ParseException {
 if (request == null || content == null || contentType == null)
 throw new NullPointerException("null Parameters");

 SIPRequest sipRequest = (SIPRequest) request;
 SIPResponse sipResponse = sipRequest.createResponse(statusCode);
 sipResponse.setHeader((ContentType) contentType);
 sipResponse.setMessageContent(content);
 if (server != null) {
 sipResponse.setHeader(server);
 }
 return sipResponse;
}

/**

```

```

* Creates a new Response message of type specified by the statusCode
* paramater, based on a specific Request message. This new Response does
* not contain a body.
*
* @param statusCode -
* the new integer of the statusCode value of this Message.
* @param request -
* the received Request object upon which to base the Response.
* @throws ParseException
* which signals that an error has been reached unexpectedly
* while parsing the statusCode.
*/
public Response createResponse(int statusCode, Request request)
 throws ParseException {
 if (request == null)
 throw new NullPointerException("null parameters");

 // if (LogWriter.needsLogging)
 // LogWriter.logMessage("createResponse " + request);

 SIPRequest sipRequest = (SIPRequest) request;
 SIPResponse sipResponse = sipRequest.createResponse(statusCode);
 // Remove the content from the message (Bug report from
 // Antonis Karydas.
 sipResponse.removeContent();
 sipResponse.removeHeader(ContentTypeHeader.NAME);
 if (server != null) {
 sipResponse.setHeader(server);
 }
 return sipResponse;
}

/**
* Creates a new Request message of type specified by the method paramater,
* containing the URI of the Request, the mandatory headers of the message
* with a body in the form of a byte array and body content type.
*
* @param requestURI -
* the new URI object of the requestURI value of this Message.
* @param method -
* the new string of the method value of this Message.
* @param callId -
* the new CallIdHeader object of the callId value of this
* Message.
* @param cSeq -
* the new CSeqHeader object of the cSeq value of this Message.
* @param from -
* the new FromHeader object of the from value of this Message.

```

```

* @param to -
* the new ToHeader object of the to value of this Message.
* @param via -
* the new List object of the ViaHeaders of this Message.
* @param contentType -
* the new ContentTypeHeader object of the content type value of
* this Message.
* @param content -
* the new byte array of the body content value of this Message.
* @throws ParseException
* which signals that an error has been reached unexpectedly
* while parsing the method or the body.
*/
public Request createRequest(javax.sip.address.URI requestURI,
 String method, CallIdHeader callId, CSeqHeader cSeq,
 FromHeader from, ToHeader to, List via,
 MaxForwardsHeader maxForwards, ContentTypeHeader contentType,
 byte[] content) throws ParseException {
 if (requestURI == null || method == null || callId == null
 || cSeq == null || from == null || to == null || via == null
 || maxForwards == null || content == null
 || contentType == null)
 throw new NullPointerException("missing parameters");

 SIPRequest sipRequest = new SIPRequest();
 sipRequest.setRequestURI(requestURI);
 sipRequest.setMethod(method);
 sipRequest.setCallId(callId);
 sipRequest.setCSeq(cSeq);
 sipRequest.setFrom(from);
 sipRequest.setTo(to);
 sipRequest.setVia(via);
 sipRequest.setMaxForwards(maxForwards);
 sipRequest.setContent(content, contentType);
 if (userAgent != null) {
 sipRequest.setHeader(userAgent);
 }
 return sipRequest;
}

/**
* Creates a new Response message of type specified by the statusCode
* paramater, containing the mandatory headers of the message with a body in
* the form of a Java object and the body content type.
*
* @param statusCode
* the new integer of the statusCode value of this Message.
* @param callId

```

```

* the new CallIdHeader object of the callId value of this
* Message.
* @param cSeq
* the new CSeqHeader object of the cSeq value of this Message.
* @param from
* the new FromHeader object of the from value of this Message.
* @param to
* the new ToHeader object of the to value of this Message.
* @param via
* the new List object of the ViaHeaders of this Message.
* @param contentType
* the new ContentTypeHeader object of the content type value of
* this Message.
* @param content
* the new Object of the body content value of this Message.
* @throws ParseException
* which signals that an error has been reached unexpectedly
* while parsing the statusCode or the body.
*/
public Response createResponse(int statusCode, CallIdHeader callId,
 CSeqHeader cSeq, FromHeader from, ToHeader to, List via,
 MaxForwardsHeader maxForwards, ContentTypeHeader contentType,
 Object content) throws ParseException {
 if (callId == null || cSeq == null || from == null || to == null
 || via == null || maxForwards == null || content == null
 || contentType == null)
 throw new NullPointerException("missing parameters");
 SIPResponse sipResponse = new SIPResponse();
 StatusLine statusLine = new StatusLine();
 statusLine.setStatusCode(statusCode);
 String reason = SIPResponse.getReasonPhrase(statusCode);
 if (reason == null)
 throw new ParseException(statusCode + " Unknown", 0);
 statusLine.setReasonPhrase(reason);
 sipResponse.setStatusLine(statusLine);
 sipResponse.setCallId(callId);
 sipResponse.setCSeq(cSeq);
 sipResponse.setFrom(from);
 sipResponse.setTo(to);
 sipResponse.setVia(via);
 sipResponse.setContent(content, contentType);
 if (userAgent != null) {
 sipResponse.setHeader(userAgent);
 }
 return sipResponse;
}

```

```

/**
 * Creates a new Response message of type specified by the statusCode
 * parameter, containing the mandatory headers of the message with a body in
 * the form of a byte array and the body content type.
 *
 * @param statusCode
 * the new integer of the statusCode value of this Message.
 * @param callId
 * the new CallIdHeader object of the callId value of this
 * Message.
 * @param cSeq
 * the new CSeqHeader object of the cSeq value of this Message.
 * @param from
 * the new FromHeader object of the from value of this Message.
 * @param to
 * the new ToHeader object of the to value of this Message.
 * @param via
 * the new List object of the ViaHeaders of this Message.
 * @param contentType
 * the new ContentTypeHeader object of the content type value of
 * this Message.
 * @param content
 * the new byte array of the body content value of this Message.
 * @throws ParseException
 * which signals that an error has been reached unexpectedly
 * while parsing the statusCode or the body.
 */
public Response createResponse(int statusCode, CallIdHeader callId,
 CSeqHeader cSeq, FromHeader from, ToHeader to, List via,
 MaxForwardsHeader maxForwards, ContentTypeHeader contentType,
 byte[] content) throws ParseException {
 if (callId == null || cSeq == null || from == null || to == null
 || via == null || maxForwards == null || content == null
 || contentType == null)
 throw new NullPointerException("missing parameters");
 SIPResponse sipResponse = new SIPResponse();
 StatusLine statusLine = new StatusLine();
 statusLine.setStatusCode(statusCode);
 String reason = SIPResponse.getReasonPhrase(statusCode);
 if (reason == null)
 throw new ParseException(statusCode + " : Unknown", 0);
 statusLine.setReasonPhrase(reason);
 sipResponse.setStatusLine(statusLine);
 sipResponse.setCallId(callId);
 sipResponse.setCSeq(cSeq);
 sipResponse.setFrom(from);
 sipResponse.setTo(to);
 sipResponse.setVia(via);
}

```

```

sipResponse.setContent(content, contentType);
if (userAgent != null) {
 sipResponse.setHeader(userAgent);
}
return sipResponse;
}

/**
 * Create a request from a string. Convenience method for UACs that want to
 * create an outgoing request from a string. Only the headers of the request
 * should be included in the String that is supplied to this method.
 *
 * @param requestString --
 * string from which to create the message null string returns an
 * empty message.
 */
public javax.sip.message.Request createRequest(String requestString)
 throws java.text.ParseException {
 if (requestString == null || requestString.equals("")) {
 SIPRequest retval = new SIPRequest();
 retval.setNullRequest();
 return retval;
 }

 StringMsgParser smp = new StringMsgParser();
 // smp.setStrict(this.strict);

 /**
 * This allows you to catch parse exceptions and create invalid messages
 * if you want.
 */
 ParseExceptionListener parseExceptionListener = new ParseExceptionListener() {

 public void handleException(ParseException ex,
 SIPMessage sipMessage, Class headerClass,
 String headerText, String messageText)
 throws ParseException {
 // Rethrow the error for the essential headers. Otherwise bad
 // headers are simply
 // recorded in the message.
 if (testing) {
 if (headerClass == From.class || headerClass == To.class
 || headerClass == CallID.class
 || headerClass == MaxForwards.class
 || headerClass == Via.class
 || headerClass == RequestLine.class
 || headerClass == StatusLine.class
 || headerClass == CSeq.class)

```

```

 throw ex;

 sipMessage.addUnparsed(headerText);
 }

}

};

ParseExceptionListener exHandler = null;
if (this.testing)
 exHandler = parseExceptionListener;

SIPMessage sipMessage = smp.parseSIPMessage(requestString.getBytes(), true, this.strict, exHandler);

if (!(sipMessage instanceof SIPRequest))
 throw new ParseException(requestString, 0);

return (SIPRequest) sipMessage;
}

/**
 * Create a response from a string
 *
 * @param responseString --
 * string from which to create the message null string returns an
 * empty message.
 *
 */
public Response createResponse(String responseString)
 throws java.text.ParseException {
 if (responseString == null)
 return new SIPResponse();

 StringMsgParser smp = new StringMsgParser();

 SIPMessage sipMessage = smp.parseSIPMessage(responseString.getBytes(), true, false, null);

 if (!(sipMessage instanceof SIPResponse))
 throw new ParseException(responseString, 0);

 return (SIPResponse) sipMessage;
}

/**
 * Set the common UserAgent header for all requests created from this message factory.
 * This header is applied to all Messages created from this Factory object except those
 * that take String for an argument and create Message from the given String.

```

```

*
* @param userAgent -- the user agent header to set.
*
* @since 2.0
*/

public void setDefaultUserAgentHeader(UserAgentHeader userAgent) {
 MessageFactoryImpl.userAgent = userAgent;
}

/**
 * Set the common Server header for all responses created from this message factory.
 * This header is applied to all Messages created from this Factory object except those
 * that take String for an argument and create Message from the given String.
 *
 * @param userAgent -- the user agent header to set.
 *
 * @since 2.0
 */

public void setDefaultServerHeader(ServerHeader server) {
 MessageFactoryImpl.server = server;
}

/**
 * Get the default common UserAgentHeader.
 *
 * @return the user agent header.
 *
 * @since 2.0
 */

public static UserAgentHeader getDefaultUserAgentHeader() {
 return userAgent;
}

/**
 * Get the default common server header.
 *
 * @return the server header.
 */

public static ServerHeader getDefaultServerHeader() {
 return server;
}

/**
 * Set default charset used for encoding String content.
 * @param charset

```



```

*/
public void setDefaultContentEncodingCharset(String charset) throws NullPointerException,
IllegalArgumentException {
 if (charset == null) throw new NullPointerException ("Null argument!");
 MessageFactoryImpl.defaultContentEncodingCharset = charset;
}

public static String getDefaultContentEncodingCharset() {
 return MessageFactoryImpl.defaultContentEncodingCharset;
}

public MultipartMimeContent createMultipartMimeContent(ContentTypeHeader multipartMimeCth,
 String[] contentType,
 String[] contentSubtype,
 String[] contentBody) {
 String boundary = multipartMimeCth.getParameter("boundary");
 MultipartMimeContentImpl retval = new MultipartMimeContentImpl(multipartMimeCth);
 for (int i = 0 ; i < contentType.length; i++) {
 ContentTypeHeader cth = new ContentType(contentType[i],contentSubtype[i]);
 ContentImpl contentImpl = new ContentImpl(contentBody[i],boundary);
 contentImpl.setContentTypeHeader(cth);
 retval.add(contentImpl);
 }
 return retval;
}
}
}

```

## 1.168 jasper 1.900.1-13

### 1.168.1 Available under license :

This package was debianized by Christopher L Cheney <ccheney@debian.org> on  
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The current maintainer is Roland Stigge <stigge@antcom.de>

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## 1.170 javassist 3.7

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## 1.173 jaxb-xjc 2.1.13

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# 1.180 jetty-continuation 7.5.3.v20111011

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```

```
package org.eclipse.jetty.io;

/* ----- */
/** SimpleBuffers.
 * Simple implementation of Buffers holder.
 *
 *
 */
public class SimpleBuffers implements Buffers
{
 final Buffer _header;
 final Buffer _buffer;
 boolean _headerOut;
 boolean _bufferOut;

/* ----- */
/**
 *
 */
 public SimpleBuffers(Buffer header, Buffer buffer)
 {
 _header=header;
 _buffer=buffer;
 }
}
```

```

/* ----- */
public Buffer getBuffer()
{
 synchronized(this)
 {
 if (_buffer!=null && !_bufferOut)
 {
 _bufferOut=true;
 return _buffer;
 }

 if (_buffer!=null && _header!=null && _header.capacity()==_buffer.capacity() && !_headerOut)
 {
 _headerOut=true;
 return _header;
 }

 if (_buffer!=null)
 return new ByteBuffer(_buffer.capacity());
 return new ByteBuffer(4096);
 }
}

/* ----- */
public Buffer getHeader()
{
 synchronized(this)
 {
 if (_header!=null && !_headerOut)
 {
 _headerOut=true;
 return _header;
 }

 if (_buffer!=null && _header!=null && _header.capacity()==_buffer.capacity() && !_bufferOut)
 {
 _bufferOut=true;
 return _buffer;
 }

 if (_header!=null)
 return new ByteBuffer(_header.capacity());
 return new ByteBuffer(4096);
 }
}

/* ----- */
public Buffer getBuffer(int size)

```

```

{
 synchronized(this)
 {
 if (_header!=null && _header.capacity()==size)
 return getHeader();
 if (_buffer!=null && _buffer.capacity()==size)
 return getBuffer();
 return null;
 }
}

/* ----- */
public void returnBuffer(Buffer buffer)
{
 synchronized(this)
 {
 buffer.clear();
 if (buffer==_header)
 _headerOut=false;
 if (buffer==_buffer)
 _bufferOut=false;
 }
}
}

```

# 1.181 jetty-http 7.5.3.v20111011

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# 1.182 jetty-io 7.5.3.v20111011

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```
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```

```
package org.eclipse.jetty.io;
```

```
/* ----- */
```

```
/** SimpleBuffers.
```

```
 * Simple implementation of Buffers holder.
```

```
 *
```

```
 *
```

```
*/
```

```
public class SimpleBuffers implements Buffers
```

```
{
```

```
 final Buffer _header;
```

```
 final Buffer _buffer;
```

```
 boolean _headerOut;
```

```
 boolean _bufferOut;
```

```
/* ----- */
```

```
/**
```

```
 *
```

```

*/
public SimpleBuffers(Buffer header, Buffer buffer)
{
 _header=header;
 _buffer=buffer;
}

/* ----- */
public Buffer getBuffer()
{
 synchronized(this)
 {
 if (_buffer!=null && !_bufferOut)
 {
 _bufferOut=true;
 return _buffer;
 }

 if (_buffer!=null && _header!=null && _header.capacity()==_buffer.capacity() && !_headerOut)
 {
 _headerOut=true;
 return _header;
 }

 if (_buffer!=null)
 return new ByteBuffer(_buffer.capacity());
 return new ByteBuffer(4096);
 }
}

/* ----- */
public Buffer getHeader()
{
 synchronized(this)
 {
 if (_header!=null && !_headerOut)
 {
 _headerOut=true;
 return _header;
 }

 if (_buffer!=null && _header!=null && _header.capacity()==_buffer.capacity() && !_bufferOut)
 {
 _bufferOut=true;
 return _buffer;
 }

 if (_header!=null)

```

```

 return new ByteBuffer(_header.capacity());
 return new ByteBuffer(4096);
 }
}

/* ----- */
public Buffer getBuffer(int size)
{
 synchronized(this)
 {
 if (_header!=null && _header.capacity()==size)
 return getHeader();
 if (_buffer!=null && _buffer.capacity()==size)
 return getBuffer();
 return null;
 }
}

/* ----- */
public void returnBuffer(Buffer buffer)
{
 synchronized(this)
 {
 buffer.clear();
 if (buffer==_header)
 _headerOut=false;
 if (buffer==_buffer)
 _bufferOut=false;
 }
}

}

```

## 1.183 jetty-util 7.5.3.v20111011

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## 1.184 jgroups 3.4.0.Final

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# 1.185 jna 3.0.9

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# 1.188 js 1.7R2



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## 1.197 keyutils 1.4-1

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# 1.199 kmod 41885.0

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

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

Original sources were obtained from:

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Ty Coon, President of Vice
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in ``src/lib/gssapi'`, including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c



lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/ipropr\_hdr.h  
kadmin/server/ipropr\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

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lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
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lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c

```
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
@end smallexample
```

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```
@smallexample
include/iprof_hdr.h
kadmin/server/iprof_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c
@end smallexample
```

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\input texinfo  
@settitle Copyright and Other Legal Notices  
@paragraphindent 0  
@exampleindent 2  
@documentencoding UTF-8  
@node Top, , (dir), (dir)  
@comment node-name, next, previous, up  
@include definitions.texinfo  
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cmd/krb5/iproplib/iproplib.x
cmd/krb5/iproplib/iproplib_hdr.h
cmd/krb5/kadmin/server/iproplib_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
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lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
```

lib/libgss/g\_initialize.c  
lib/libgss/g\_inquire\_context.c  
lib/libgss/g\_inquire\_cred.c  
lib/libgss/g\_inquire\_names.c  
lib/libgss/g\_process\_context.c  
lib/libgss/g\_rel\_buffer.c  
lib/libgss/g\_rel\_cred.c  
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lib/libgss/g\_sign.c  
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lib/libgss/g\_userok.c  
lib/libgss/g\_utils.c  
lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
uts/common/gssapi/include/gssapi\_err\_generic.h  
uts/common/gssapi/include/mechglueP.h

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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It was downloaded from:

<<http://web.mit.edu/kerberos/>>

Upstream Maintainers:

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in  
src/lib/gssapi, including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c

lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
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/\* Skeleton implementation for Bison's Yacc-like parsers in C

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```
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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
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## 1.204 libauthen-pam-perl 0.16-2

### 1.204.1 Available under license :

Authen::PAM

Version 0.16

2005-Sep-20

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## DESCRIPTION

=====

This module provides a Perl interface to the PAM library.

Home site: <<http://nik.pelov.name/Authen-PAM/>>

After installing the module you can read a small faq with examples by typing 'perldoc Authen::PAM::FAQ'.

## PREREQUISITES

=====

Before you can build Authen::PAM you need to have the following things installed on your system:

- \* Perl, at least version 5.003\_23
- \* This module is known to work with the following or newer implementations of the PAM library:
  - Linux-PAM <<http://www.kernel.org/pub/linux/libs/pam/>>
  - Solaris 2.6
  - FreeBSD 3.1
  - OpenPAM <<http://openpam.sourceforge.net/>>
  - HP-UX 11.0
  - Darwin 6.0 and Mac OS X 10.2

## BUILDING AND INSTALLING THE MODULE

=====

Assuming you have met all the prerequisites, you can build the module using the standard sequence of commands:

```
perl Makefile.PL
make
make test
make install
```

By default the module is build using the compiler and options used to build the perl executable itself. If you want to change the C compiler then set the CC environment variable, for example like this:

```
CC=gcc perl Makefile.PL
```

However, besides changing the compiler, it is still not possible to change any other options (for example CFLAGS). If you want to do this then you should edit by hand the generated Makefile.

If you have any problems in building and installing the module then you should first check on the home page of the Authen::PAM module for the latest development version (if any) which could possibly fix your problems. If none is available or the problems remain then you can write me a mail which includes the following information:

- \* the version of your unix - `uname -a`
- \* the configuration of the perl - `perl -V`
- \* if you are on linux:
  - the name and version of the distribution you are using
  - the version of the pam - `ls /lib/libpam.so\*` or `ls /usr/lib/libpam.so\*`
- \* the description of the "login" service from your pam configuration - usually found in `/etc/pam.conf` file or in the file `/etc/pam.d/login`
- \* the output of the `perl Makefile.PL`, `make` and `make test`
- \* any relevant messages produced by the syslogd daemon - usually found in `/var/log/messages`
- \* if the problem is in a perl script which uses the Authen::PAM module then the source of this script (even if it is a slight modification of some of the source code provided with this module)

## KNOWN PROBLEMS

=====

### Missing PAM header files

-----

I know that this is trivial, but some people actually report this. If you get an error like

```
PAM.xs:11: security/pam_appl.h: No such file or directory
```

this means that either you don't have the PAM library installed on your system or at least the PAM header files are missing. If your distribution provides the PAM library as packages then you should check that you also have installed the pam-dev or pam-devel package.

### FreeBSD 4.x

-----

Several people have reported the following error during 'make test':

```
not ok 10 (28 - Module is unknown)
```

I've tracked down the problem to the dynamic loader of FreeBSD not exporting some symbols in dlopen()'d modules. I've submitted a bug report - <http://www.freebsd.org/cgi/query-pr.cgi?pr=25059>

It seems that this bug has been fixed already and starting from the next release of FreeBSD (probably 4.6) the module should work again.

## Solaris 2.8

-----

Some users are reporting the following error during 'make test':

```
Segmentation Fault - core dumped
make: *** [test_dynamic] Error 139
```

The problem seems to be related with the use of Kerberos authentication (pam\_krb5 or pam\_krb54). At this moment I don't have any explanation for it.

## Login Restrictions

-----

Most of the current configurations of the 'login' service include a module 'pam\_securetty' or 'pam\_access' which restrict the login of some users (especially root) depending on the tty or the host name they are logging from. The configuration files of these two modules are /etc/securetty and /etc/security/access.conf respectively.

So, if you are running 'make test' and get an error '(Authentication failure)' on test 10 then this might be due to login restrictions of PAM.

## Deprecated

-----

The following problems occurred on old versions of libraries and OSes and are not included in the README file anymore. If you experience them, check the README file in older versions of the PAM library (0.14 or less).

- Solaris 2.6 buggy PAM library
- Perl 5.004\_03
- RedHat 6.1 (Authentication failure)
- RedHat 8.0 (Segmentation fault (core dumped))

## AUTHOR

=====

Nikolay Pelov <NIKIP at cpan dot org>

Web page: <<http://nik.pelov.name/Authen-PAM/>>

# 1.205 libbsd 0.4.2-1

## 1.205.1 Available under license :

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Here the stream cipher has been modified always to include the time when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

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Equivalent code is available from RSA Data Security, Inc. This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.



To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

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## 1.208 libclass-isa-perl 0.36 :Dominic

### Hargreaves 24 Nov 2011

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# 1.209 libclass-load-perl 0.17 :Angel Abad 13 Feb 2012

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Source: <http://search.cpan.org/dist/Class-Load/>

Name: Class-Load

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```
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under certain conditions; type 'show c' for details.
```

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```
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program 'Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

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The End

# 1.210 libcrypt-ssleay-perl 0.57-2

## 1.211 libdaemon 0.14-2

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## 1.213 libdatrie 0.1.3-2

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## 1.215 libdrm 2.4.21-1~squeeze3

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It was checked out from NetBSD CVS on 2008-06-14.

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## 1.217 libencode-locale-perl 1.03-1

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Upstream-Contact: Gisle Aas <[gisle@activestate.com](mailto:gisle@activestate.com)>

Source: <http://search.cpan.org/dist/Encode-Locale/>

Upstream-Name: Encode-Locale

Files: \*

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Source: <http://search.cpan.org/dist/File-Listing/>

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# 1.223 libgcc1 1:4.4.5-8

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@c man begin SEEALSO

gfdl(7), fsf-funding(7).

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```
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type `show w'.
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@end smallexample
```

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```
@example
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```

```
@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example
```

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@c man end

@end ignore

@c Special handling for inclusion in the install manual.

@ifset gfdlhtml

@ifnohtml

@comment node-name, next, previous, up

@node GNU Free Documentation License, Concept Index, Old, Top

@end ifnohtml

@html

<h1 align="center">Installing GCC: GNU Free Documentation License</h1>

@end html

@ifnohtml

@unnumbered GNU Free Documentation License

@end ifnohtml

@end ifset

@c man begin DESCRIPTION

@ifclear gfdlhtml

@node GNU Free Documentation License  
@unnumbered GNU Free Documentation License  
@end ifclear

@cindex FDL, GNU Free Documentation License  
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@c ispell-local-pdict: "ispell-dict"
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```
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That's all there is to it!

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

## HISTORY -

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

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined

and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

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

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)

subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and

Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

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

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader

specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and

Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and

Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agg@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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@center Version 2.1, February 1999

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

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@item

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

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

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

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

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@enumerate a

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

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

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

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@item

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@end enumerate

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@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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@smallexample

@var{one line to give the library's name and an idea of what it does.}

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@end smallexample

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

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

@smallexample

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

@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

@end smallexample

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#

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# along with GCC; see the file COPYING3. If not see

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# 128 bit long double support was introduced with GCC 4.6.0 for FreeBSD.

# These lines make the symbols to get a @@GCC\_4.6.0.

```
%exclude {
 __addtf3
 __copysigntf3
 __divtc3
 __divtf3
 __eqtf2
 __extenddftf2
 __extendsftf2
 __extendxftf2
 __fabstf2
 __fixtfdi
 __fixtfsi
 __fixtfti
 __fixunstfdi
 __fixunstfsi
 __fixunstfti
 __floatditf
 __floatsitf
 __floattitf
 __floatunditf
 __floatunsitf
 __floatuntitf
 __getf2
 __gttf2
 __letf2
 __lttf2
 __multc3
 __multf3
 __negtf2
 __netf2
 __powitf2
 __subtf3
 __trunctfdf2
 __trunctfsf2
 __trunctxf2
 __unordtf2
}
```

```
GCC_4.6.0 {
 __addtf3
 %ifndef __x86_64__
 __copysigntf3
 %endif
```



```

__divtc3
__divtf3
__eqtf2
__extenddftf2
__extendsftf2
__extendxftf2
#ifdef __x86_64__
__fabstf2
#endif
__fixtfdi
__fixtfsi
#ifdef __x86_64__
__fixtfti
#endif
__fixunstfdi
__fixunstfsi
#ifdef __x86_64__
__fixunstfti
#endif
__floatditf
__floatsitf
#ifdef __x86_64__
__floattitf
#endif
__floatunditf
__floatunsitf
#ifdef __x86_64__
__floatuntitf
#endif
__getf2
__gttf2
__letf2
__lttf2
__multc3
__multf3
__negtf2
__netf2
__powitf2
__subtf3
__trunctfdf2
__trunctfsf2
__trunctxf2
__unordtf2
}

```

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

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Version 2.1, February 1999

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Directory native/fdlibm

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\* m4/ax\_func\_which\_gethostbyname\_r.m4

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

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## 1.224 libgcrypt11 1.4.5-2

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## 1.226 libhtml-form-perl 6.03-1

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## 1.227 libhtml-parser-perl 3.66-1

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Format-Specification: <http://anonscm.debian.org/viewvc/dep/web/deps/dep5.mdwn?view=markup&pathrev=135>

Maintainer: Gisle Aas <[gisle@activestate.com](mailto:gisle@activestate.com)>

Source: <http://search.cpan.org/dist/HTML-Parser/>

Name: HTML-Parser

Files: \*

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2005, Florian Ragwitz <[rafl@debianforum.de](mailto:rafl@debianforum.de)>

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```
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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

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

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## 1.235 libhttp-server-simple-perl 0.44-1

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Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Maintainer: Jesse Vincent <jesse+cpan@fsck.com>

Source: <http://search.cpan.org/dist/HTTP-Server-Simple/>

Name: HTTP-Server-Simple

Files: \*

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Files: inc/Module/\*

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Upstream-Name: Libidn

Upstream-Contact: Simon Josefsson <[simon@josefsson.org](mailto:simon@josefsson.org)>

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## 1.238 libio-pty-perl 1:1.08-1

# 1.239 libio-socket-ssl-perl 1.76 :2012.06.18

## 1.239.1 Available under license :

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Upstream-Name: IO-Socket-SSL

Upstream-Contact: Steffen Ullrich

Peter Behroozi

Marko Asplund

Source: <http://search.cpan.org/dist/IO-Socket-SSL/>

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It is partly based on the libjpeg6a package originally put together by Andy Guy <awpguy@acs.ualgary.ca> and later maintained by Mark Mickan.

Current Debian maintainer is Bill Allombert <ballombe@debian.org>.

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Maintainer: Phillip Vandry <[vandry@TZoNE.ORG](mailto:vandry@TZoNE.ORG)>

Source: <http://search.cpan.org/dist/Locale-gettext/>

Name: Locale-gettext

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# 1.245 liblwp-protocol-https-perl 6.03 :2012-02-18

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Format-Specification: <http://anonscm.debian.org/viewvc/dep/web/deps/dep5.mdwn?view=markup&pathrev=135>

Maintainer: Gisle Aas <[gisle@activestate.com](mailto:gisle@activestate.com)>

Source: <http://search.cpan.org/dist/LWP-Protocol-https/>

Name: LWP-Protocol-https

Files: \*

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# 1.247 libmodule-runtime-perl 0.013 :2012-02-16

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```

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```
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```

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

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Upstream-Contact: Florian Ragwitz <[rafl@debian.org](mailto:rafl@debian.org)>

Mike McCauley <[mikem@open.com.au](mailto:mikem@open.com.au)>

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### 1.252.1 Available under license :

This package was debianized by Max Kellermann <max@duempel.org> on Wed Sep 20 22:57:38 CEST 2006

It was downloaded from <http://www.netfilter.org/downloads.html>

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## 1.253.1 Available under license :

This package was debianized by Mike Hommey <glandium@debian.org> on Sun, 25 Mar 2007 12:17:27 +0200.

It was downloaded from <http://ftp.mozilla.org/pub/mozilla.org/nspr/>

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## 1.260 libpcap 1.1.1-2+squeeze1

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It was downloaded from <http://tcpdump.org/release/libpcap-0.8.3.tar.gz>

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```
printf("%s",png_get_copyright(NULL));
```

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Glenn Randers-Pehrson  
glennrp at users.sourceforge.net  
March 29, 2012

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libpng versions 0.71, May 1995, through 0.88, January 1996: Guy Schalnat

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Manoj Srivastava <srivasta@debian.org>  
arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

# 1.264 libsemanage 2.1.6-6

## 1.264.1 Available under license :

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This package was debianized by Russell Coker <russell@coker.com.au> on Fri, 20 Aug 2004 17:26:18 +1000.

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```
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```

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```
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under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
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```



<signature of Ty Coon>, 1 April 1989

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## 1.267 libsm 2:1.1.1-1

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Upstream-Name: libssh2

Upstream-Contact: Daniel Stenberg <daniel@haxx.se>

Source: <http://libssh2.org/>

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# 1.269 libssl1.0.0 1.0.1e-2+deb7u11

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Motorolla 68020 20mhz, NetBSD

SSLey 0.9.0t 29-May-1998

built on Fri Jun 5 12:42:23 EST 1998

options:bn(64,32) md2(char) rc4(idx,int) des(idx,cisc,16,long) idea(int) blowfish(idx)

C flags:gcc -DTERMIOS -O3 -fomit-frame-pointer -Wall -DB\_ENDIAN

The 'numbers' are in 1000s of bytes per second processed.



| type          | 8 bytes | 64 bytes | 256 bytes | 1024 bytes | 8192 bytes |
|---------------|---------|----------|-----------|------------|------------|
| md2           | 2176.00 | 5994.67  | 8079.73   | 8845.18    | 9077.01    |
| mdc2          | 5730.67 | 6122.67  | 6167.66   | 6176.51    | 6174.87    |
| md5           | 29.10k  | 127.31k  | 209.66k   | 250.50k    | 263.99k    |
| hmac(md5)     | 12.33k  | 73.02k   | 160.17k   | 228.04k    | 261.15k    |
| sha1          | 11.27k  | 49.37k   | 84.31k    | 102.40k    | 109.23k    |
| rmd160        | 11.69k  | 48.62k   | 78.76k    | 93.15k     | 98.41k     |
| rc4           | 117.96k | 148.94k  | 152.57k   | 153.09k    | 152.92k    |
| des cbc       | 27.13k  | 30.06k   | 30.38k    | 30.38k     | 30.53k     |
| des ede3      | 10.51k  | 10.94k   | 11.01k    | 11.01k     | 11.01k     |
| idea cbc      | 26.74k  | 29.23k   | 29.45k    | 29.60k     | 29.74k     |
| rc2 cbc       | 34.27k  | 39.39k   | 40.03k    | 40.07k     | 40.16k     |
| rc5-32/12 cbc | 64.31k  | 83.18k   | 85.70k    | 86.70k     | 87.09k     |
| blowfish cbc  | 48.86k  | 59.18k   | 60.07k    | 60.42k     | 60.78k     |
| cast cbc      | 42.67k  | 50.01k   | 50.86k    | 51.20k     | 51.37k     |

sign verify sign/s verify/s

|               |          |         |     |      |
|---------------|----------|---------|-----|------|
| rsa 512 bits  | 0.7738s  | 0.0774s | 1.3 | 12.9 |
| rsa 1024 bits | 4.3967s  | 0.2615s | 0.2 | 3.8  |
| rsa 2048 bits | 29.5200s | 0.9664s | 0.0 | 1.0  |

sign verify sign/s verify/s

|               |         |          |     |     |
|---------------|---------|----------|-----|-----|
| dsa 512 bits  | 0.7862s | 0.9709s  | 1.3 | 1.0 |
| dsa 1024 bits | 2.5375s | 3.1625s  | 0.4 | 0.3 |
| dsa 2048 bits | 9.2150s | 11.8200s | 0.1 | 0.1 |

Pentium Pro 200mhz

FreeBSD 2.1.5

gcc 2.7.2.2

SSLeay 0.7.0 30-Jan-1997

built on Tue Apr 22 12:14:36 EST 1997

options:bn(64,32) md2(int) rc4(idx,int) des(ptr,risc1,16,long) idea(int) blowfish(ptr2)

C flags:gcc -DTERMIOS -D\_ANSI\_SOURCE -fomit-frame-pointer -O3 -m486 -Wall

The 'numbers' are in 1000s of bytes per second processed.

| type          | 8 bytes   | 64 bytes  | 256 bytes | 1024 bytes | 8192 bytes |
|---------------|-----------|-----------|-----------|------------|------------|
| md2           | 130.99k   | 367.68k   | 499.09k   | 547.04k    | 566.50k    |
| md5           | 1924.98k  | 8293.50k  | 13464.41k | 16010.39k  | 16820.68k  |
| sha           | 1250.75k  | 5330.43k  | 8636.88k  | 10227.36k  | 10779.14k  |
| sha1          | 1071.55k  | 4572.50k  | 7459.98k  | 8791.96k   | 9341.61k   |
| rc4           | 10724.22k | 14546.25k | 15240.18k | 15259.50k  | 15265.63k  |
| des cbc       | 3309.11k  | 3883.01k  | 3968.25k  | 3971.86k   | 3979.14k   |
| des ede3      | 1442.98k  | 1548.33k  | 1562.48k  | 1562.00k   | 1563.33k   |
| idea cbc      | 2195.69k  | 2506.39k  | 2529.59k  | 2545.66k   | 2546.54k   |
| rc2 cbc       | 806.00k   | 833.52k   | 837.58k   | 838.52k    | 836.69k    |
| blowfish cbc  | 4687.34k  | 5949.97k  | 6182.43k  | 6248.11k   | 6226.09k   |
| rsa 512 bits  | 0.010s    |           |           |            |            |
| rsa 1024 bits | 0.045s    |           |           |            |            |
| rsa 2048 bits | 0.260s    |           |           |            |            |
| rsa 4096 bits | 1.690s    |           |           |            |            |

This package was debianized by Christoph Martin martin@uni-mainz.de on Fri, 22 Nov 1996 21:29:51 +0100.

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Version 3, 29 June 2007

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Ty Coon, President of Vice

That's all there is to it!

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

## HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely



due to Vernon Lee, on machines made available to Rice by IBM.  
Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.  
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.  
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.  
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and  
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.  
Thomas Funke (thf@zelator.in-berlin.de(?)) and  
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.  
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.  
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.  
Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports.  
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.  
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).  
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).  
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.  
David Chase, then at Olivetti Research, suggested several improvements.  
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.  
Jesse Hull and John Ellis supplied the C++ interface code.  
Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)  
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# 128 bit long double support was introduced with GCC 4.6.0 for FreeBSD.

# These lines make the symbols to get a @@GCC\_4.6.0.

```
%exclude {
__addtf3
__copysigntf3
__divtc3
__divtf3
__eqtf2
__extenddf2
__extendsf2
__extendxf2
__fabstf2
__fixtfdi
__fixtfsi
__fixtfti
__fixunstfdi
__fixunstfsi
__fixunstfti
__floatditf
__floatsitf
__floattitf
__floatunditf
__floatunsitf
__floatuntitf
```

```

__getf2
__gttf2
__letf2
__lttf2
__multc3
__multf3
__negtf2
__netf2
__powitf2
__subtf3
__trunctfdf2
__trunctfsf2
__trunctxf2
__unordtf2
}

GCC_4.6.0 {
__addtf3
#ifdef __x86_64__
__copysigntf3
#endif
__divtc3
__divtf3
__eqtf2
__extenddf2
__extendsftf2
__extendxftf2
#ifdef __x86_64__
__fabstf2
#endif
__fixtfdi
__fixtfsi
#ifdef __x86_64__
__fixtfti
#endif
__fixunstfdi
__fixunstfsi
#ifdef __x86_64__
__fixunstfti
#endif
__floatditf
__floatsitf
#ifdef __x86_64__
__floattitf
#endif
__floatunditf
__floatunsitf
#ifdef __x86_64__

```

```
__floatuntif
#endif
__getf2
__gttf2
__letf2
__lttf2
__multc3
__multf3
__negtf2
__netf2
__powitf2
__subtf3
__trunctfdf2
__trunctfsf2
__trunctxf2
__unordtf2
}
```

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Version 2.1, February 1999

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

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

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

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

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

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

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

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

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That's all there is to it!

@ignore

@c Set file name and title for man page.

@setfilename gpl

@settitle GNU General Public License

@c man begin SEEALSO

gfdl(7), fsf-funding(7).

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@center Version 3, 29 June 2007

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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.

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

@heading TERMS AND CONDITIONS

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@item

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@item

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

@item

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

@item

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

Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item

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

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```
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@c man end

@ignore

@c Set file name and title for man page.

@setfilename gpl

@settitle GNU General Public License

@c man begin SEEALSO

gfdl(7), fsf-funding(7).

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@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice

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@ignore

@c Set file name and title for man page.

@setfilename gfdl

@settitle GNU Free Documentation License

@c man begin SEEALSO

gpl(7), fsf-funding(7).

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@c hence no sectioning command or @node.

@c man end

@end ignore

@c Special handling for inclusion in the install manual.

@ifset gfdlhtml

@ifnohtml

@comment node-name, next, previous, up

@node GNU Free Documentation License, Concept Index, Old, Top

@end ifnohtml

@html

<h1 align="center">Installing GCC: GNU Free Documentation License</h1>

@end html

@ifnohtml

@unnumbered GNU Free Documentation License

@end ifnohtml

@end ifset

@c man begin DESCRIPTION

@ifclear gfdlhtml

@node GNU Free Documentation License

@unnumbered GNU Free Documentation License

@end ifclear

@cindex FDL, GNU Free Documentation License

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@c End:
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Jan 21, 2002

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```

can be found in /usr/share/common-licenses/GFDL-1.3.
eval '(exit $?0)' && eval 'exec perl -wS -0777 -pi "$0" ${1+"$@"}'
& eval 'exec perl -wS -0777 -pi "$0" $argv:q'
if 0;
Update an FSF copyright year list to include the current year.

my $VERSION = '2009-12-28.11:09'; # UTC

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#
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Written by Jim Meyering and Joel E. Denny

The arguments to this script should be names of files that contain FSF
copyright statements to be updated. For example, you might wish to
use the update-copyright target rule in maint.mk from gnulib's
maintainer-makefile module.
#
Iff an FSF copyright statement is recognized in a file and the final
year is not the current year, then the statement is updated for the
new year and it is reformatted to:
#
1. Fit within 72 columns.
2. Convert 2-digit years to 4-digit years by prepending "19".
3. Expand copyright year intervals. (See "Environment variables"
below.)
#
A warning is printed for every file for which no FSF copyright
statement is recognized.
#
Each file's FSF copyright statement must be formatted correctly in
order to be recognized. For example, each of these is fine:
#
Copyright @copyright{ } 1990-2005, 2007-2009 Free Software
Foundation, Inc.
#

```

```

Copyright (C) 1990-2005, 2007-2009 Free Software
Foundation, Inc.
#
/*
* Copyright © 90,2005,2007-2009
* Free Software Foundation, Inc.
*/
#
However, the following format is not recognized because the line
prefix changes after the first line:
#
Copyright (C) 1990-2005, 2007-2009 Free Software
Foundation, Inc.
#
The following copyright statement is not recognized because the
copyright holder is not the FSF:
#
Copyright (C) 1990-2005, 2007-2009 Acme, Inc.
#
However, any correctly formatted FSF copyright statement following
either of the previous two copyright statements would be recognized.
#
The exact conditions that a file's FSF copyright statement must meet
to be recognized are:
#
1. It is the first FSF copyright statement that meets all of the
following conditions. Subsequent FSF copyright statements are
ignored.
2. Its format is "Copyright (C)", then a list of copyright years,
and then the name of the copyright holder, which is "Free
Software Foundation, Inc.".
3. The "(C)" takes one of the following forms or is omitted
entirely:
#
A. (C)
B. (c)
C. @copyright{ }
D. ©
#
4. The "Copyright" appears at the beginning of a line except that it
may be prefixed by any sequence (e.g., a comment) of no more than
5 characters.
5. If such a prefix is present, the same prefix appears at the
beginning of each remaining line within the FSF copyright
statement. There is one exception in order to support C-style
comments: if the first line's prefix contains nothing but
whitespace surrounding a "/*", then the prefix for all subsequent
lines is the same as the first line's prefix except with each of

```

```

"/" and possibly "*" replaced by a " ". The replacement of "*"
by " " is consistent throughout all subsequent lines.
6. Blank lines, even if preceded by the prefix, do not appear
within the FSF copyright statement.
7. Each copyright year is 2 or 4 digits, and years are separated by
commas or dashes. Whitespace may appear after commas.
#
Environment variables:
#
1. If UPDATE_COPYRIGHT_FORCE=1, a recognized FSF copyright statement
is reformatted even if it does not need updating for the new
year. If unset or set to 0, only updated FSF copyright
statements are reformatted.
2. If UPDATE_COPYRIGHT_USE_INTERVALS=1, every series of consecutive
copyright years (such as 90, 1991, 1992-2007, 2008) in a
reformatted FSF copyright statement is collapsed to a single
interval (such as 1990-2008). If unset or set to 0, all existing
copyright year intervals in a reformatted FSF copyright statement
are expanded instead.
3. For testing purposes, you can set the assumed current year in
UPDATE_COPYRIGHT_YEAR.
4. The default maximum line length for a copyright line is 72.
Set UPDATE_COPYRIGHT_MAX_LINE_LENGTH to use a different length.

```

```

use strict;
use warnings;

```

```

my $copyright_re = 'Copyright';
my $circle_c_re = '(?:\[cC]\)|@copyright{ }©';
my $holder = 'Free Software Foundation, Inc.';
my $prefix_max = 5;
my $margin = $ENV{UPDATE_COPYRIGHT_MAX_LINE_LENGTH};
!$margin || $margin !~ m/^\d+$/
and $margin = 72;

```

```

my $tab_width = 8;

```

```

my $this_year = $ENV{UPDATE_COPYRIGHT_YEAR};
if (!$this_year || $this_year !~ m/^\d{4}$/)
{
 my ($sec, $min, $hour, $mday, $month, $year) = localtime (time ());
 $this_year = $year + 1900;
}

```

```

Unless the file consistently uses "\r\n" as the EOL, use "\n" instead.

```

```

my $eol = /(?:^[^\r])\n/ ? "\n" : "\r\n";

```

```

my $leading;

```

```

my $prefix;
my $ws_re;
my $stmt_re;
while ((/^\n){0,$prefix_max})$copyright_re/g
{
 $leading = "$1$2";
 $prefix = $2;
 if ($prefix =~ /^(s*\v)*(s*)$/)
 {
 $prefix =~ s/,/, ;
 my $prefix_ws = $prefix;
 $prefix_ws =~ s/^//; # Only whitespace.
 if (/^G(?:[^\n]\|*[^\\n])**?\n$prefix_ws/)
 {
 $prefix = $prefix_ws;
 }
 }
 $ws_re = '[\t\r\f]'; # \s without \n
 $ws_re =
 "(?:$ws_re*(?:$ws_re\\n" . quotemeta($prefix) . ")$ws_re*)";
 my $holder_re = $holder;
 $holder_re =~ s/\s/$ws_re/g;
 my $stmt_remainder_re =
 "(?:ws_recircle_c_re)?"
 . "$ws_re(?:(?:\d\d)?\d\d(?:, $ws_re?|-))*"
 . "((?:\d\d)?\d\d)ws_reholder_re";
 if (/^G$stmt_remainder_re/)
 {
 $stmt_re =
 quotemeta($leading) . "($copyright_re$stmt_remainder_re)";
 last;
 }
}
if (defined $stmt_re)
{
 /$stmt_re/ or die; # Should never die.
 my $stmt = $1;
 my $final_year_orig = $2;

 # Handle two-digit year numbers like "98" and "99".
 my $final_year = $final_year_orig;
 $final_year <= 99
 and $final_year += 1900;

 if ($final_year != $this_year)
 {
 # Update the year.
 $stmt =~ s/$final_year_orig/$final_year, $this_year/;
 }
}

```

```

}
if ($final_year != $this_year || $ENV{'UPDATE_COPYRIGHT_FORCE'})
{
 # Normalize all whitespace including newline-prefix sequences.
 $stmt =~ s/$ws_re/ /g;

 # Put spaces after commas.
 $stmt =~ s/, ?/, /g;

 # Convert 2-digit to 4-digit years.
 $stmt =~ s/(\b\d\d\b)/19$1/g;

 # Make the use of intervals consistent.
 if (!$ENV{'UPDATE_COPYRIGHT_USE_INTERVALS'})
 {
 $stmt =~ s/(\d{4})-(\d{4})/join('-', $1..$2)/eg;
 }
 else
 {
 $stmt =~
 s/
 (\d{4})
 (?
 (,|-)
 ((?{
 if ($2 eq '-') { "\d{4}"; }
 elsif (!$3) { $1 + 1; }
 else { $3 + 1; }
 }
))
)+
 /$1-$3/gx;
 }

 # Format within margin.
 my $stmt_wrapped;
 my $text_margin = $margin - length($prefix);
 if ($prefix =~ /^(t+)/)
 {
 $text_margin -= length($1) * ($tab_width - 1);
 }
 while (length $stmt)
 {
 if (($stmt =~ s/^(.{1,$text_margin})(?: |$)//)
 || ($stmt =~ s/^(|[S]+)(?: |$)//))
 {
 my $line = $1;
 $stmt_wrapped .= $stmt_wrapped ? "$eol$prefix" : $leading;
 $stmt_wrapped .= $line;
 }
 }
}

```

```

 }
else
{
 # Should be unreachable, but we don't want an infinite
 # loop if it can be reached.
 die;
}
}

Replace the old copyright statement.
s/$stmt_re/$stmt_wrapped/;
}
}
else
{
 print STDERR "$ARGV: warning: FSF copyright statement not found\n";
}

```

```

Local variables:
mode: perl
indent-tabs-mode: nil
eval: (add-hook 'write-file-hooks 'time-stamp)
time-stamp-start: "my $VERSION = "
time-stamp-format: "%:y-%02m-%02d.%02H:%02M"
time-stamp-time-zone: "UTC"
time-stamp-end: ""; # UTC"
End:

```

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## 1.273 libterm-readkey-perl 2.30-4

## 1.274 libterm-readline-perl-perl 1.0303-1

### 1.274.1 Available under license :

Format-Specification:

<http://wiki.debian.org/Proposals/CopyrightFormat?action=recall&rev=196>

Upstream-Maintainer: Ilya Zakharevich <cpan@ilyaz.org>

Upstream-Source: <http://search.cpan.org/dist/Term-ReadLine-Perl/>

Upstream-Name: Term-ReadLine-Perl

Files: \*

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License-Alias: Perl

License: Artistic | GPL-1+

Files: debian/\*

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2006, Krzysztof Krzyzaniak (eloy) <eloy@debian.org>

2006, Niko Tyni <ntyni@iki.fi>

2005-2006, Gunnar Wolf <gwolf@debian.org>

2002, Joerg Jaspert <joerg@debian.org>

2001, Brendan O'Dea <bod@debian.org>

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It was downloaded from <http://www.cpan.org/modules/by-module/Text/Text-CharWidth-<version>.tar.gz>

Upstream Author: Tomohiro KUBOTA <kubota@debian.org>

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## 1.279.1 Available under license :

Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=59>

Maintainer: Graham Barr <[gbarr@pobox.com](mailto:gbarr@pobox.com)>

Source: <http://search.cpan.org/dist/TimeDate/>

Name: TimeDate

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# 1.280 libtry-tiny-perl 0.04-1

## 1.280.1 Available under license :

Format-Specification: <http://anonscm.debian.org/viewvc/dep/web/deps/dep5.mdwn?view=markup&pathrev=135>

Maintainer: Yuval Kogman <[nothingmuch@woobling.org](mailto:nothingmuch@woobling.org)>

Source: <http://search.cpan.org/dist/Try-Tiny/>

Name: Try-Tiny

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## 1.281 liburi-perl 1.54-2

### 1.281.1 Available under license :

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Upstream-Name: URI

Upstream-Contact: Gisle Aas <[gisle@activestate.com](mailto:gisle@activestate.com)>

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## 1.284 libuuid-perl 0.02-4

## 1.284.1 Available under license :

Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Maintainer: Peter Braam <braam@clusterfs.com>

Source: <http://search.cpan.org/dist/UUID/>

Name: UUID

Copyright: 2001, Peter Braam <braam@clusterfs.com>

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X-Comment:

Date: Thu, 04 Jan 2007 15:09:45 -0700

From: Peter Braam <braam@clusterfs.com>

To: Clint Adams <schizo@debian.org>

Subject: Re: UUID license

.

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.

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.

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# 1.285 libwww-mechanize-perl 1.64-1

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Source: <http://search.cpan.org/dist/WWW-Mechanize/>

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Maintainer: Gisle Aas <[gisle@activestate.com](mailto:gisle@activestate.com)>

Source: <http://search.cpan.org/dist/libwww-perl/>

Name: libwww-perl

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## 1.287 libwww-robotrules-perl 6.01 :1

### 1.287.1 Available under license :

Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Maintainer: Gisle Aas <[gisle@activestate.com](mailto:gisle@activestate.com)>

Source: <http://search.cpan.org/dist/WWW-RobotRules/>

Name: WWW-RobotRules

Files: \*

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# 1.295 libxdmcp 1:1.0.3-2

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## 1.296 libxext 2:1.1.2-1

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## 1.297 libxfixes 1:4.0.5-1

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```
/* lib/font/fontfile/gunzip.c
 written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.
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The documentation for this extension can be found in pod format at the end of the files Parser.pm and Expat/Expat.pm. The perldoc program, provided with the perl distribution, can be used to view this documentation.

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```

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```
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```

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

That's all there is to it!

# 1.305 libxml-sax-base-perl 1.07 :2011-09-10

## 1.305.1 Available under license :

Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Maintainer: Grant McLean <[grantm@cpan.org](mailto:grantm@cpan.org)>

Source: <http://search.cpan.org/dist/XML-SAX-Base/>

Name: XML-SAX-Base

Files: \*

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Source: <http://search.cpan.org/dist/XML-SAX/>

Upstream-Name: XML-SAX

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XML/SAX/\*.pm

XML/SAX/DTDDecls.pm

XML/SAX/EncodingDetect.pm

XML/SAX/Productions.pm

XML/SAX/Reader.pm

XML/SAX/Reader/String.pm

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```
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```

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Upstream-Name: XML-Simple

Upstream-Contact: Grant McLean <grantm@cpan.org>

Source: <http://search.cpan.org/dist/XML-Simple/>

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src/fastcgi.h

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Upstream-Contact: Joachim Wiedorn <[ad\\_debian@joonet.de](mailto:ad_debian@joonet.de)>

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single nxt200x frontend driver.

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see `init_nicstar()` for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather lists



```

* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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*
* M. Welsh, 6 July 1996
*
*/

```

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Upstream-Name: live-boot

Upstream-Contact: Debian Live Project <[debian-live@lists.debian.org](mailto:debian-live@lists.debian.org)>

Source: <http://live.debian.net/archive/packages/live-boot/>

Files: \*

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## 1.328 live-config 3.0.23-1

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Upstream-Name: live-config

Upstream-Contact: Debian Live Project <[debian-live@lists.debian.org](mailto:debian-live@lists.debian.org)>

Source: <http://live.debian.net/archive/packages/live-config/>

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Upstream-Name: live-config-foobar

Upstream-Contact: John Doe <[john@example.org](mailto:john@example.org)>

Source: <http://www.example.org/foobar/>

Comment:

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Version 3, 29 June 2007

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## 1.330 log4j 1.2.16

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## 1.331 logrotate 3.7.8-6

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<knghtbrd@debian.org> on Thu, 22 Apr 1999 15:33:04 -0700.

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## 1.332 Isb 3.2-23.2squeeze1

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This package was created by Chris Lawrence <lawrenc@debian.org> on  
Sun, 17 Feb 2002 14:07:32 -0600.

The HTML files in html/ were written by Matt Taggart <taggart@debian.org>

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## 1.333 Isof 4.81.dfsg.1-1

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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: Isof

Upstream-Contact: <https://lists.rcac.purdue.edu/listinfo/Isof-1>

Source: <ftp://Isof.itap.purdue.edu/pub/tools/unix/Isof/>

Comment: The following changes were made to the upstream tarball:

- 1.) The directory `dialects/uw` was removed for being non-DFSG and not needed in Debian.

- 2.) The main source was a tarball within a tarball. Only the innermost tarball has been retained.
- 3.) The top-level directory has been stripped away as it embedded the version number making packaging more difficult.

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## 1.334 Izma 4.43-14

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```
<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>
```

```
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```

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```
Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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

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necessary. Here is a sample; alter the names:

```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

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

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## 1.338 mesa 7.7.1-5

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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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Version 3, 29 June 2007

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# 1.340 minicom 2.4-3

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Modemu Version 0.0.1

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Source: <http://bitmath.org/code/mtdev/>

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# 1.344 nano 2.2.4-1

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## 1.349 net-tools 1.60-23

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## 1.350 netbase 4.45

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It is currently maintained by Marco d'Itri [md@linux.it](mailto:md@linux.it).

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# 1.351 netperf 2.4.4-6.1

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This package was debianized by Erik Wenzel erik@debian.org on  
Wed, 30 Jan 2002 10:15:17 +0200

It was downloaded from:  
<ftp://ftp.netperf.org/netperf>

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Fixes for AIX 3.1 and 3.2. Also fixes for Solaris 2.1 without  
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Fixes for TCP\_RR and UDP\_RR on sytems with an htonl that is not a no-op.

Warren Burnett <somewhere in Kansas>  
Example code for DLPI tests.

Several Folks  
Code to tell SunOS 4 to \*not\* restart system calls on receipt of a  
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Fore Systems Inc.  
Manpages for the FORE API and question answering

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Access to systems running the Fore ATM API

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Include file fixes for Ultrix

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Bunches of warnings fixes and lint picks for Solaris 2.3

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Code to calculate confidence intervals for tests

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Helpful suggestions for the scripts to make them more compatible with the netperf database (<http://www.cup.hp.com/netperf/NetperfPage.html>).

His prompting finally got me off my whatever to put the confidence interval stuff from the guys at IBM into netperf

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Fixes to make netperf more secure.

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A fix to send\_udp\_rr to correct bogus throughput values.

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A bunch of clean-up for the \*BSD OSes

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Code for low-priority soaker process for AIX and SGI

The fine folks at Adaptec

The initial port of netperf (1.9PL4) to Windows NT 3.51.

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The PPC binaries for the 1.9PL4 port of netperf to NT and for assorted code clean-ups and help with CPU utilization measurements.

"Todd J. Derr" <tjd@fore.com>

For offering to take-on support of the Fore ATM API files with 2.1 and for his help in making the tar files and such more user-friendly

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Improvements to the makefile and additional checks for OpenBSD

Kris Corwin

discovery of a debug statement outside of if (debug) that may have been the cause of all the nasty connection refused errors in random UDP\_RR tests...

Charles Harris

Initial prototype of the TCP\_SENDFILE test support

Philip Pishioneri of Cornel

Conversion of the netperf.ps manul to PDF format.

The Hewlett-Packard OpenVMS folks  
Assistance with the port to OpenVMS

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IPv6 fixes

Jan Iven of CERN  
initial mods for sendfile() under Linux

Fabrice Bacchella  
for pointing-out that Solaris 9 has a copy of Linux sendfile()

Andrew Gallatin  
for assistance with the FreeBSD sysctl() stuff, and later making it  
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Mark Cooper  
pointing-out the need for -lresolv when compiling -DDO\_DNS on RedHat  
7.1

Carl Mascott  
finding some cut-and-paste errors in create\_data\_socket error logging

Fabrice Bacchella  
Fixes for -DHISTOGRAM and -DUNIX on Mac OS X, updates to usage strings

Spencer Frink  
Fixes and Cleanup for WIN32. Many over many years.

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Fixes for DLPI on SVR4 Streams under Linux

Dave Craig  
Fixes for getaddrinfo error returns

David Mosberger of HP  
Workaround for the Linux getsockopt() bug that returns more than that  
for which one asked.

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Code to implement the netserver CPU binding.

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Initial SCTP tests. Enhancements to the configure.ac sources to show  
the way to make many of the LIBS="foo" before ./configure unnecessary.

Padmanabhan "Paddu" S N of HP  
Patches for /proc/stat CPU util and recv\_tcp\_rr.

Cary Coutant and other hp-mac-users of HP  
Access to Mac OS X systems for porting netperf 2.4.0

Chris Bertin of HP  
Access to AIX for initial porting of netperf 2.4.0

James Carlson  
Assistance finding the right magic to compile SCTP on Solaris 10.

Gavin  
Pointers on Solaris 10 Microstate accounting.

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Getting netcpu\_perfstat.c in running order on AIX and other misc  
fixups in places such as BSD.

Samuel Ying  
Change struct sockaddr to struct sockaddr storage in netserver.c

Rodolpho Boer  
Fix for default message size in UDP\_STREAM when default SO\_SNDBUF size  
is > max UDP datagram size.

Michael Dorff  
Getting netperf/netsserver to compile under Windows with MS Visual  
Studio 2003

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Changes to deal with different floating-point formats.

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Changes to retrieve CPU util on MacOS X.

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Patches to attend to some windows in TCP\_CRR and TCP\_CC under Windows

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Fixes to get netcpu\_looper compiling and working after the "netcpu"  
split

Hans Blom  
Improvements to closing/redirecting stdin/stdout/stderr in netsserver

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RPM support in the form of netperf.spec.in and related configure.ac  
etc changes



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Changes to allow UDP\_STREAM to use connected sockets on both sides.

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Fixes for buffer filling.

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Fixes for Windows compilation under MingW/gcc.

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Patches to enable demo mode in the UDP\_STREAM test

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The original package was put together by Enrique Zanardi

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  47. [51]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
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  51. [55]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
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It is split out from the main package to isolate the dependency on the Gnome and X11 libraries.

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- MD5 is now external, in the OpenSSL library
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```

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Motorolla 68020 20mhz, NetBSD

SSLey 0.9.0t 29-May-1998

built on Fri Jun 5 12:42:23 EST 1998

options:bn(64,32) md2(char) rc4(idx,int) des(idx,cisc,16,long) idea(int) blowfish(idx)

C flags:gcc -DTERMIOS -O3 -fomit-frame-pointer -Wall -DB\_ENDIAN

The 'numbers' are in 1000s of bytes per second processed.

| type      | 8 bytes | 64 bytes | 256 bytes | 1024 bytes | 8192 bytes |
|-----------|---------|----------|-----------|------------|------------|
| md2       | 2176.00 | 5994.67  | 8079.73   | 8845.18    | 9077.01    |
| mdc2      | 5730.67 | 6122.67  | 6167.66   | 6176.51    | 6174.87    |
| md5       | 29.10k  | 127.31k  | 209.66k   | 250.50k    | 263.99k    |
| hmac(md5) | 12.33k  | 73.02k   | 160.17k   | 228.04k    | 261.15k    |
| sha1      | 11.27k  | 49.37k   | 84.31k    | 102.40k    | 109.23k    |



|               |         |         |         |         |         |
|---------------|---------|---------|---------|---------|---------|
| rmd160        | 11.69k  | 48.62k  | 78.76k  | 93.15k  | 98.41k  |
| rc4           | 117.96k | 148.94k | 152.57k | 153.09k | 152.92k |
| des cbc       | 27.13k  | 30.06k  | 30.38k  | 30.38k  | 30.53k  |
| des ede3      | 10.51k  | 10.94k  | 11.01k  | 11.01k  | 11.01k  |
| idea cbc      | 26.74k  | 29.23k  | 29.45k  | 29.60k  | 29.74k  |
| rc2 cbc       | 34.27k  | 39.39k  | 40.03k  | 40.07k  | 40.16k  |
| rc5-32/12 cbc | 64.31k  | 83.18k  | 85.70k  | 86.70k  | 87.09k  |
| blowfish cbc  | 48.86k  | 59.18k  | 60.07k  | 60.42k  | 60.78k  |
| cast cbc      | 42.67k  | 50.01k  | 50.86k  | 51.20k  | 51.37k  |

sign verify sign/s verify/s

|               |          |         |     |      |
|---------------|----------|---------|-----|------|
| rsa 512 bits  | 0.7738s  | 0.0774s | 1.3 | 12.9 |
| rsa 1024 bits | 4.3967s  | 0.2615s | 0.2 | 3.8  |
| rsa 2048 bits | 29.5200s | 0.9664s | 0.0 | 1.0  |

sign verify sign/s verify/s

|               |         |          |     |     |
|---------------|---------|----------|-----|-----|
| dsa 512 bits  | 0.7862s | 0.9709s  | 1.3 | 1.0 |
| dsa 1024 bits | 2.5375s | 3.1625s  | 0.4 | 0.3 |
| dsa 2048 bits | 9.2150s | 11.8200s | 0.1 | 0.1 |

Pentium Pro 200mhz

FreeBSD 2.1.5

gcc 2.7.2.2

SSLey 0.7.0 30-Jan-1997

built on Tue Apr 22 12:14:36 EST 1997

options:bn(64,32) md2(int) rc4(idx,int) des(ptr,risc1,16,long) idea(int) blowfish(ptr2)

C flags:gcc -DTERMIOS -D\_ANSI\_SOURCE -fomit-frame-pointer -O3 -m486 -Wall

The 'numbers' are in 1000s of bytes per second processed.

| type          | 8 bytes   | 64 bytes  | 256 bytes | 1024 bytes | 8192 bytes |
|---------------|-----------|-----------|-----------|------------|------------|
| md2           | 130.99k   | 367.68k   | 499.09k   | 547.04k    | 566.50k    |
| md5           | 1924.98k  | 8293.50k  | 13464.41k | 16010.39k  | 16820.68k  |
| sha           | 1250.75k  | 5330.43k  | 8636.88k  | 10227.36k  | 10779.14k  |
| sha1          | 1071.55k  | 4572.50k  | 7459.98k  | 8791.96k   | 9341.61k   |
| rc4           | 10724.22k | 14546.25k | 15240.18k | 15259.50k  | 15265.63k  |
| des cbc       | 3309.11k  | 3883.01k  | 3968.25k  | 3971.86k   | 3979.14k   |
| des ede3      | 1442.98k  | 1548.33k  | 1562.48k  | 1562.00k   | 1563.33k   |
| idea cbc      | 2195.69k  | 2506.39k  | 2529.59k  | 2545.66k   | 2546.54k   |
| rc2 cbc       | 806.00k   | 833.52k   | 837.58k   | 838.52k    | 836.69k    |
| blowfish cbc  | 4687.34k  | 5949.97k  | 6182.43k  | 6248.11k   | 6226.09k   |
| rsa 512 bits  | 0.010s    |           |           |            |            |
| rsa 1024 bits | 0.045s    |           |           |            |            |
| rsa 2048 bits | 0.260s    |           |           |            |            |
| rsa 4096 bits | 1.690s    |           |           |            |            |

This package was debianized by Christoph Martin martin@uni-mainz.de on  
Fri, 22 Nov 1996 21:29:51 +0100.

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Motorolla 68020 20mhz, NetBSD

SSLey 0.9.0t 29-May-1998

built on Fri Jun 5 12:42:23 EST 1998

options:bn(64,32) md2(char) rc4(idx,int) des(idx,cisc,16,long) idea(int) blowfish(idx)

C flags:gcc -DTERMIOS -O3 -fomit-frame-pointer -Wall -DB\_ENDIAN

The 'numbers' are in 1000s of bytes per second processed.

| type          | 8 bytes | 64 bytes | 256 bytes | 1024 bytes | 8192 bytes |
|---------------|---------|----------|-----------|------------|------------|
| md2           | 2176.00 | 5994.67  | 8079.73   | 8845.18    | 9077.01    |
| mdc2          | 5730.67 | 6122.67  | 6167.66   | 6176.51    | 6174.87    |
| md5           | 29.10k  | 127.31k  | 209.66k   | 250.50k    | 263.99k    |
| hmac(md5)     | 12.33k  | 73.02k   | 160.17k   | 228.04k    | 261.15k    |
| sha1          | 11.27k  | 49.37k   | 84.31k    | 102.40k    | 109.23k    |
| rmd160        | 11.69k  | 48.62k   | 78.76k    | 93.15k     | 98.41k     |
| rc4           | 117.96k | 148.94k  | 152.57k   | 153.09k    | 152.92k    |
| des cbc       | 27.13k  | 30.06k   | 30.38k    | 30.38k     | 30.53k     |
| des ede3      | 10.51k  | 10.94k   | 11.01k    | 11.01k     | 11.01k     |
| idea cbc      | 26.74k  | 29.23k   | 29.45k    | 29.60k     | 29.74k     |
| rc2 cbc       | 34.27k  | 39.39k   | 40.03k    | 40.07k     | 40.16k     |
| rc5-32/12 cbc | 64.31k  | 83.18k   | 85.70k    | 86.70k     | 87.09k     |
| blowfish cbc  | 48.86k  | 59.18k   | 60.07k    | 60.42k     | 60.78k     |
| cast cbc      | 42.67k  | 50.01k   | 50.86k    | 51.20k     | 51.37k     |

sign verify sign/s verify/s

|               |          |         |     |      |
|---------------|----------|---------|-----|------|
| rsa 512 bits  | 0.7738s  | 0.0774s | 1.3 | 12.9 |
| rsa 1024 bits | 4.3967s  | 0.2615s | 0.2 | 3.8  |
| rsa 2048 bits | 29.5200s | 0.9664s | 0.0 | 1.0  |

sign verify sign/s verify/s

|               |         |          |     |     |
|---------------|---------|----------|-----|-----|
| dsa 512 bits  | 0.7862s | 0.9709s  | 1.3 | 1.0 |
| dsa 1024 bits | 2.5375s | 3.1625s  | 0.4 | 0.3 |
| dsa 2048 bits | 9.2150s | 11.8200s | 0.1 | 0.1 |

Pentium Pro 200mhz

FreeBSD 2.1.5

gcc 2.7.2.2

SSLeay 0.7.0 30-Jan-1997

built on Tue Apr 22 12:14:36 EST 1997

options:bn(64,32) md2(int) rc4(idx,int) des(ptr,risc1,16,long) idea(int) blowfish(ptr2)

C flags:gcc -DTERMIOS -D\_ANSI\_SOURCE -fomit-frame-pointer -O3 -m486 -Wall

The 'numbers' are in 1000s of bytes per second processed.

| type          | 8 bytes   | 64 bytes  | 256 bytes | 1024 bytes | 8192 bytes |
|---------------|-----------|-----------|-----------|------------|------------|
| md2           | 130.99k   | 367.68k   | 499.09k   | 547.04k    | 566.50k    |
| md5           | 1924.98k  | 8293.50k  | 13464.41k | 16010.39k  | 16820.68k  |
| sha           | 1250.75k  | 5330.43k  | 8636.88k  | 10227.36k  | 10779.14k  |
| sha1          | 1071.55k  | 4572.50k  | 7459.98k  | 8791.96k   | 9341.61k   |
| rc4           | 10724.22k | 14546.25k | 15240.18k | 15259.50k  | 15265.63k  |
| des cbc       | 3309.11k  | 3883.01k  | 3968.25k  | 3971.86k   | 3979.14k   |
| des ede3      | 1442.98k  | 1548.33k  | 1562.48k  | 1562.00k   | 1563.33k   |
| idea cbc      | 2195.69k  | 2506.39k  | 2529.59k  | 2545.66k   | 2546.54k   |
| rc2 cbc       | 806.00k   | 833.52k   | 837.58k   | 838.52k    | 836.69k    |
| blowfish cbc  | 4687.34k  | 5949.97k  | 6182.43k  | 6248.11k   | 6226.09k   |
| rsa 512 bits  | 0.010s    |           |           |            |            |
| rsa 1024 bits | 0.045s    |           |           |            |            |
| rsa 2048 bits | 0.260s    |           |           |            |            |
| rsa 4096 bits | 1.690s    |           |           |            |            |

This package was debianized by Christoph Martin martin@uni-mainz.de on Fri, 22 Nov 1996 21:29:51 +0100.

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Daniel Savarese <dfs at savarese.org> is the original author of the  
OROMatcher, PerlTools, AwkTools, and TextTools packages that became  
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Mark Murphy <markm at tyrell.com> has contributed performance  
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Michael Davey <michael.davey at coderage.org> fixed some documentation and  
added a missing int substitute(...) method to Perl5Util.

Harald Kuhn <harald at ontopia.net> updated  
MatchActionProcessor.processMatches() to accommodate character encodings.

## 1.363 p11-kit 0.12-3

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## 1.368 pcre3 8.02-1.1

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THE BASIC LIBRARY FUNCTIONS

-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

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

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```
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at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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\*/

## 1.371 popt 1.16-1

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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: popt

Upstream-Contact: Jeff Johnson <[jbj@rpm5.org](mailto:jbj@rpm5.org)>

Source: <http://rpm5.org/files/popt/>

Comment:

popt was originally written by Erik Troan when he was with RedHat. It's now maintained as part of Fedora.

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/\* Skeleton implementation for Bison's Yacc-like parsers in C

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Originally written by Per Bothner. Please send patches (context
diff format) to <config-patches@gnu.org> and include a ChangeLog
entry.
#
```

```
This script attempts to guess a canonical system name similar to
config.sub. If it succeeds, it prints the system name on stdout, and
exits with 0. Otherwise, it exits with 1.
#
You can get the latest version of this script from:
http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess;hb=HEAD
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/\*

\* FreeSec: libcrypt for NetBSD

\*

\* contrib/pgcrypto/crypt-des.c

\*

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 \*  
 \* \$FreeBSD: src/secure/lib/libcrypt/crypt-des.c,v 1.12 1999/09/20 12:39:20 markm Exp \$  
 \*  
 \* This is an original implementation of the DES and the crypt(3) interfaces  
 \* by David Burren <davidb@werj.com.au>.  
 \*  
 \* An excellent reference on the underlying algorithm (and related  
 \* algorithms) is:  
 \*  
 \* B. Schneier, Applied Cryptography: protocols, algorithms,  
 \* and source code in C, John Wiley & Sons, 1994.  
 \*  
 \* Note that in that book's description of DES the lookups for the initial,  
 \* pbox, and final permutations are inverted (this has been brought to the  
 \* attention of the author). A list of errata for this book has been  
 \* posted to the sci.crypt newsgroup by the author and is available for FTP.  
 \*  
 \* ARCHITECTURE ASSUMPTIONS:  
 \* It is assumed that the 8-byte arrays passed by reference can be  
 \* addressed as arrays of uint32's (ie. the CPU is not picky about

```
* alignment).
*/
/*
* mbuf.c
* Memory buffer operations.
*
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*
* contrib/pgcrypto/mbuf.c
*/
/* This is an independent implementation of the encryption algorithm: */
/* */
/* RIJNDael by Joan Daemen and Vincent Rijmen */
/* */
/* which is a candidate algorithm in the Advanced Encryption Standard */
/* programme of the US National Institute of Standards and Technology. */
/* */
/* Copyright in this implementation is held by Dr B R Gladman but I */
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/* */
/* Dr Brian Gladman (gladman@seven77.demon.co.uk) 14th January 1999 */
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 \* src/backend/utils/adt/inet\_net\_ntop.c  
 \*/  
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 \*  
 \* src/port/snprintf.c  
 \*/

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

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

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

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

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

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- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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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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```
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```

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Ty Coon, President of Vice
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## 1.377 python-defaults 2.5.2-3

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This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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

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

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

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

| Release        | Derived from | Year      | Owner      | GPL-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 |
| 2.5   | 2.4       | 2006      | PSF | yes |
| 2.5.1 | 2.5       | 2007      | PSF | yes |
| 2.5.2 | 2.5.1     | 2008      | PSF | yes |
| 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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## 1.378 python2.7 2.7.3-6+deb7u2

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#### A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope

Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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

| Release        | Derived from | Year      | Owner      | GPL-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                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes                 |
| 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 |
| 2.7   | 2.6   | 2010 | PSF | yes |

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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## 1.379 Quartz 1.5.2

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```
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```

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## 1.381 readline6 6.2+dfsg-0.1

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This package was put together by Matthias Klose <doko@debian.org>, derived from the bash package by Guy Maor <maor@debian.org>, from the GNU sources at

<ftp.gnu.org:/pub/gnu/readline/readline-6.0.tar.gz>.

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Upstream source:

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Author: Per Bothner

Copyright:

```
/* A front-end using readline to "cook" input lines for Kawa.
*
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*
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```

\*/

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```
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```

From network\_io/unix/inet\_ntop.c, network\_io/unix/inet\_pton.c:

```
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 *
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From dso/aix/dso.c:

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From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
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From test/CuTest.c, test/CuTest.h:

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```

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* NCSA HTTPd Server
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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

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Page 1 of 1 18 October 2006

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This package provides the rsync program, which is a replacement for rcp that uses the rsync algorithm to transfer only the differences between two sets of files.

This package was put together by Philip Hands <phil@hands.com>, from sources obtained from:

<http://rsync.samba.org/ftp/rsync/rsync-2.5.4.tar.gz>

The current version was downloaded from:

<http://rsync.samba.org/ftp/rsync/src/rsync-3.0.7.tar.gz>

on 2010-01-05 by Paul Slooman <paul@debian.org> .

The changes were very minimal - merely adding support for the Debian package maintenance scheme by adding various debian/\* files.

The only significant change is passing the -4 / -6 options through to ssh.

See the debian/patches/ directory.

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57. [http://education.oracle.com/pls/web\\_prod-plq-dad/db\\_pages.getpage?page\\_id=400&p\\_name=JASE](http://education.oracle.com/pls/web_prod-plq-dad/db_pages.getpage?page_id=400&p_name=JASE)
58. <http://glassfish.java.net/public/CDDLv1.0.html>
59. <http://blueprints.java.net/>
60. <http://glassfish-samples.java.net/>
61. <http://glassfish.java.net/public/CDDLv1.0.html>
62. <http://java.net/projects/glassfish/watch>
63. <https://wikis.oracle.com/display/GlassFish/FullBuildInstructions>
64. <http://hudson.glassfish.org/job/gf-trunk-build-continuous/>
65. <http://java.net/projects/glassfish/sources/svn/show>
66. <https://fisheye4.atlassian.com/browse/~br=trunk/glassfish-svn>
67. <http://svnsearch.org/svnsearch/repos/GLASSFISH/search>
68. <http://glassfish.java.net/docs/project.html>
69. <http://java.net/jira/browse/GLASSFISH>

70. <http://glassfish.java.net/ja/>
71. <http://glassfish.java.net/zh/>
72. <http://glassfish.java.net/public/CDDLv1.0.html>
73. <http://glassfish.java.net/de/>
74. <http://glassfish.java.net/es/>
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79. <http://java.net/projects/glassfish/lists/announce/archive>
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87. <http://glassfish.java.net/nonav/javaee5/api/index.html>
88. <mailto:users@glassfish.java.net>
89. <http://glassfish.java.net/public/CDDLv1.0.html>
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99. <http://glassfish.java.net/index.html>
100. [http://java.net/terms\\_of\\_use](http://java.net/terms_of_use)
101. <http://www.oracle.com/us/legal/privacy/index.html>
102. <http://java.net/projects/help/pages/ReleaseNotes>

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103. <http://java.net/mypage>  
no longer available from java.net; used maven repository  
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## 1.391 sed 4.2.1-7

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```

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Upstream-Contact: John E. Davis <davis@space.mit.edu>

Source: <ftp://space.mit.edu/pub/davis/slang>

Comment:

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## 1.399 slf4j-api 1.6.1

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# 1.402 snmp4j-agent 1.4.2

# 1.403 spring-aop 3.0.0.RELEASE

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 */

package org.springframework.aop.aspectj.annotation;

import java.lang.reflect.Method;

import org.aopalliance.aop.Advice;
import org.aspectj.lang.reflect.PerClauseKind;

import org.springframework.aop.Pointcut;
import org.springframework.aop.aspectj.AspectJExpressionPointcut;
import org.springframework.aop.aspectj.AspectJPrecedenceInformation;
import org.springframework.aop.aspectj.InstantiationModelAwarePointcutAdvisor;
import org.springframework.aop.aspectj.annotation.AbstractAspectJAdvisorFactory.AspectJAnnotation;
import org.springframework.aop.support.DynamicMethodMatcherPointcut;
import org.springframework.aop.support.Pointcuts;

/**
 * Internal implementation of AspectJPointcutAdvisor.
 * Note that there will be one instance of this advisor for each target method.
 */
```

```

*
* @author Rod Johnson
* @author Juergen Hoeller
* @since 2.0
*/
class InstantiationModelAwarePointcutAdvisorImpl
 implements InstantiationModelAwarePointcutAdvisor, AspectJPrecedenceInformation {

 private final AspectJExpressionPointcut declaredPointcut;

 private Pointcut pointcut;

 private final MetadataAwareAspectInstanceFactory aspectInstanceFactory;

 private final Method method;

 private final boolean lazy;

 private final AspectJAdvisorFactory atAspectJAdvisorFactory;

 private Advice instantiatedAdvice;

 private int declarationOrder;

 private String aspectName;

 private Boolean isBeforeAdvice = null;

 private Boolean isAfterAdvice = null;

 public InstantiationModelAwarePointcutAdvisorImpl(
 AspectJAdvisorFactory af,
 AspectJExpressionPointcut ajexp,
 MetadataAwareAspectInstanceFactory aif,
 Method method,
 int declarationOrderInAspect,
 String aspectName) {

 this.declaredPointcut = ajexp;
 this.method = method;
 this.atAspectJAdvisorFactory = af;
 this.aspectInstanceFactory = aif;
 this.declarationOrder = declarationOrderInAspect;
 this.aspectName = aspectName;

 if (aif.getAspectMetadata().isLazilyInstantiated()) {
 // Static part of the pointcut is a lazy type.

```

```

Pointcut preInstantiationPointcut =
 Pointcuts.union(aif.getAspectMetadata().getPerClausePointcut(), this.declaredPointcut);

// Make it dynamic: must mutate from pre-instantiation to post-instantiation state.
// If it's not a dynamic pointcut, it may be optimized out
// by the Spring AOP infrastructure after the first evaluation.
this.pointcut = new PerTargetInstantiationModelPointcut(this.declaredPointcut, preInstantiationPointcut, aif);
this.lazy = true;
}
else {
// A singleton aspect.
this.instantiatedAdvice = instantiateAdvice(this.declaredPointcut);
this.pointcut = declaredPointcut;
this.lazy = false;
}
}

/**
 * The pointcut for Spring AOP to use. Actual behaviour of the pointcut will change
 * depending on the state of the advice.
 */
public Pointcut getPointcut() {
return this.pointcut;
}

/**
 * This is only of interest for Spring AOP: AspectJ instantiation semantics
 * are much richer. In AspectJ terminology, all a return of <code>true</code>
 * means here is that the aspect is not a SINGLETON.
 */
public boolean isPerInstance() {
return (getAspectMetadata().getAjType().getPerClause().getKind() != PerClauseKind.SINGLETON);
}

/**
 * Return the AspectJ AspectMetadata for this advisor.
 */
public AspectMetadata getAspectMetadata() {
return this.aspectInstanceFactory.getAspectMetadata();
}

/**
 * Lazily instantiate advice if necessary.
 */
public synchronized Advice getAdvice() {
if (this.instantiatedAdvice == null) {
this.instantiatedAdvice = instantiateAdvice(this.declaredPointcut);
}
}

```

```

 }
 return this.instantiatedAdvice;
}

public boolean isLazy() {
 return this.lazy;
}

public synchronized boolean isAdviceInstantiated() {
 return (this.instantiatedAdvice != null);
}

private Advice instantiateAdvice(AspectJExpressionPointcut pcut) {
 return this.atAspectJAdvisorFactory.getAdvice(
 this.method, pcut, this.aspectInstanceFactory, this.declarationOrder, this.aspectName);
}

public MetadataAwareAspectInstanceFactory getAspectInstanceFactory() {
 return this.aspectInstanceFactory;
}

public AspectJExpressionPointcut getDeclaredPointcut() {
 return this.declaredPointcut;
}

public int getOrder() {
 return this.aspectInstanceFactory.getOrder();
}

public String getAspectName() {
 return this.aspectName;
}

public int getDeclarationOrder() {
 return this.declarationOrder;
}

public boolean isBeforeAdvice() {
 if (this.isBeforeAdvice == null) {
 determineAdviceType();
 }
 return this.isBeforeAdvice;
}

public boolean isAfterAdvice() {
 if (this.isAfterAdvice == null) {
 determineAdviceType();
 }
}

```

```

 }
 return this.isAfterAdvice;
}

/**
 * Duplicates some logic from getAdvice, but importantly does not force
 * creation of the advice.
 */
private void determineAdviceType() {
 AspectJAnnotation<?> aspectJAnnotation =
 AbstractAspectJAdvisorFactory.findAspectJAnnotationOnMethod(this.method);
 if (aspectJAnnotation == null) {
 this.isBeforeAdvice = false;
 this.isAfterAdvice = false;
 }
 else {
 switch (aspectJAnnotation.getAnnotationType()) {
 case AtAfter:
 case AtAfterReturning:
 case AtAfterThrowing:
 this.isAfterAdvice = true;
 this.isBeforeAdvice = false;
 break;
 case AtAround:
 case AtPointcut:
 this.isAfterAdvice = false;
 this.isBeforeAdvice = false;
 break;
 case AtBefore:
 this.isAfterAdvice = false;
 this.isBeforeAdvice = true;
 }
 }
}

@Override
public String toString() {
 return "InstantiationModelAwarePointcutAdvisor: expression [" + getDeclaredPointcut().getExpression() +
 "]; advice method [" + this.method + "]; perClauseKind=" +
 this.aspectInstanceFactory.getAspectMetadata().getAjType().getPerClause().getKind();
}

/**
 * Pointcut implementation that changes its behaviour when the advice is instantiated.
 * Note that this is a <i>dynamic</i> pointcut. Otherwise it might

```



```

* be optimized out if it does not at first match statically.
*/
private class PerTargetInstantiationModelPointcut extends DynamicMethodMatcherPointcut {

 private final AspectJExpressionPointcut declaredPointcut;

 private final Pointcut preInstantiationPointcut;

 private LazySingletonAspectInstanceFactoryDecorator aspectInstanceFactory;

 private PerTargetInstantiationModelPointcut(AspectJExpressionPointcut declaredPointcut,
 Pointcut preInstantiationPointcut, MetadataAwareAspectInstanceFactory aspectInstanceFactory) {
 this.declaredPointcut = declaredPointcut;
 this.preInstantiationPointcut = preInstantiationPointcut;
 if (aspectInstanceFactory instanceof LazySingletonAspectInstanceFactoryDecorator) {
 this.aspectInstanceFactory = (LazySingletonAspectInstanceFactoryDecorator) aspectInstanceFactory;
 }
 }

 @Override
 public boolean matches(Method method, Class targetClass) {
 // We're either instantiated and matching on declared pointcut, or uninstantiated matching on either pointcut
 return (isAspectMaterialized() && this.declaredPointcut.matches(method, targetClass)) ||
 this.preInstantiationPointcut.getMethodMatcher().matches(method, targetClass);
 }

 public boolean matches(Method method, Class targetClass, Object[] args) {
 // This can match only on declared pointcut.
 return (isAspectMaterialized() && this.declaredPointcut.matches(method, targetClass));
 }

 private boolean isAspectMaterialized() {
 return (this.aspectInstanceFactory == null || this.aspectInstanceFactory.isMaterialized());
 }
}
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```
package org.springframework.aop.aspectj.annotation;
```

```
import org.springframework.aop.aspectj.SimpleAspectInstanceFactory;
import org.springframework.core.Ordered;
import org.springframework.core.annotation.Order;
```

```
/**
```

```
* Implementation of { @link MetadataAwareAspectInstanceFactory } that
* creates a new instance of the specified aspect class for every
* { @link #getAspectInstance() } call.
```

```
*
```

```
* @author Juergen Hoeller
```

```
* @since 2.0.4
```

```
*/
```

```
public class SimpleMetadataAwareAspectInstanceFactory extends SimpleAspectInstanceFactory
implements MetadataAwareAspectInstanceFactory {
```

```
private final AspectMetadata metadata;
```

```
/**
```

```
* Create a new SimpleMetadataAwareAspectInstanceFactory for the given aspect class.
```

```
* @param aspectClass the aspect class
```

```
* @param aspectName the aspect name
```

```
*/
```

```
public SimpleMetadataAwareAspectInstanceFactory(Class aspectClass, String aspectName) {
super(aspectClass);
this.metadata = new AspectMetadata(aspectClass, aspectName);
}
```

```
public final AspectMetadata getAspectMetadata() {
return this.metadata;
}
```

```
/**
```

```
* Determine a fallback order for the case that the aspect instance
```

```
* does not express an instance-specific order through implementing
```

```
* the { @link org.springframework.core.Ordered } interface.
```

```
* <p>The default implementation simply returns <code>Ordered.LOWEST_PRECEDENCE</code>.
```

```
* @param aspectClass the aspect class
```

```
*/
```

```
@Override
```

```

protected int getOrderForAspectClass(Class<?> aspectClass) {
 Order order = aspectClass.getAnnotation(Order.class);
 if (order != null) {
 return order.value();
 }
 return Ordered.LOWEST_PRECEDENCE;
}

}

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 */

package org.springframework.aop.aspectj;

import org.springframework.aop.framework.AopConfigException;
import org.springframework.core.Ordered;
import org.springframework.util.Assert;

/**
 * Implementation of {@link AspectInstanceFactory} that creates a new instance
 * of the specified aspect class for every {@link #getAspectInstance()} call.
 *
 * @author Juergen Hoeller
 * @since 2.0.4
 */
public class SimpleAspectInstanceFactory implements AspectInstanceFactory {

 private final Class aspectClass;

 /**
 * Create a new SimpleAspectInstanceFactory for the given aspect class.
 * @param aspectClass the aspect class
 */
 public SimpleAspectInstanceFactory(Class aspectClass) {

```

```

Assert.notNull(aspectClass, "Aspect class must not be null");
this.aspectClass = aspectClass;
}

/**
 * Return the specified aspect class (never <code>null</code>).
 */
public final Class getAspectClass() {
 return this.aspectClass;
}

public final Object getAspectInstance() {
 try {
 return this.aspectClass.newInstance();
 }
 catch (InstantiationException ex) {
 throw new AopConfigException("Unable to instantiate aspect class [" + this.aspectClass.getName() + "]", ex);
 }
 catch (IllegalAccessException ex) {
 throw new AopConfigException("Cannot access element class [" + this.aspectClass.getName() + "]", ex);
 }
}

public ClassLoader getAspectClassLoader() {
 return this.aspectClass.getClassLoader();
}

/**
 * Determine the order for this factory's aspect instance,
 * either an instance-specific order expressed through implementing
 * the { @link org.springframework.core.Ordered} interface,
 * or a fallback order.
 * @see org.springframework.core.Ordered
 * @see #getOrderForAspectClass
 */
public int getOrder() {
 return getOrderForAspectClass(this.aspectClass);
}

/**
 * Determine a fallback order for the case that the aspect instance
 * does not express an instance-specific order through implementing
 * the { @link org.springframework.core.Ordered} interface.
 * <p>The default implementation simply returns <code>Ordered.LOWEST_PRECEDENCE</code>.
 * @param aspectClass the aspect class
 */
protected int getOrderForAspectClass(Class<?> aspectClass) {

```

```

return Ordered.LOWEST_PRECEDENCE;
}

}
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 */

package org.springframework.aop.config;

import org.springframework.aop.aspectj.AspectInstanceFactory;
import org.springframework.beans.factory.BeanFactory;
import org.springframework.beans.factory.BeanFactoryAware;
import org.springframework.beans.factory.config.ConfigurableBeanFactory;
import org.springframework.core.Ordered;
import org.springframework.util.ClassUtils;
import org.springframework.util.StringUtils;

/**
 * Implementation of { @link AspectInstanceFactory } that locates the aspect from the
 * { @link org.springframework.beans.factory.BeanFactory } using a configured bean name.
 *
 * @author Rob Harrop
 * @author Juergen Hoeller
 * @since 2.0
 */
public class SimpleBeanFactoryAwareAspectInstanceFactory implements AspectInstanceFactory,
BeanFactoryAware {

 private String aspectBeanName;

 private BeanFactory beanFactory;

 /**
 * Set the name of the aspect bean. This is the bean that is returned when calling

```

```

* {@link #getAspectInstance()}.
*/
public void setAspectBeanName(String aspectBeanName) {
 this.aspectBeanName = aspectBeanName;
}

public void setBeanFactory(BeanFactory beanFactory) {
 this.beanFactory = beanFactory;
 if (!StringUtils.hasText(this.aspectBeanName)) {
 throw new IllegalArgumentException("'aspectBeanName' is required");
 }
}

/**
 * Look up the aspect bean from the {@link BeanFactory} and returns it.
 * @see #setAspectBeanName
 */
public Object getAspectInstance() {
 return this.beanFactory.getBean(this.aspectBeanName);
}

public ClassLoader getAspectClassLoader() {
 if (this.beanFactory instanceof ConfigurableBeanFactory) {
 return ((ConfigurableBeanFactory) this.beanFactory).getBeanClassLoader();
 }
 else {
 return ClassUtils.getDefaultClassLoader();
 }
}

public int getOrder() {
 if (this.beanFactory.isSingleton(this.aspectBeanName) &&
 this.beanFactory.isTypeMatch(this.aspectBeanName, Ordered.class)) {
 return ((Ordered) this.beanFactory.getBean(this.aspectBeanName)).getOrder();
 }
 return Ordered.LOWEST_PRECEDENCE;
}

}
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*/

```

```
package org.springframework.aop.interceptor;
```

```
import org.aopalliance.intercept.MethodInvocation;
import org.apache.commons.logging.Log;
```

```
/**
 * Simple AOP Alliance MethodInterceptor that can be introduced
 * in a chain to display verbose trace information about intercepted method
 * invocations, with method entry and method exit info.
 *
 *

Consider using CustomizableTraceInterceptor for more
 * advanced needs.

 *
 * @author Dmitriy Kopylenko
 * @author Juergen Hoeller
 * @since 1.2
 * @see CustomizableTraceInterceptor
 */

```

```
public class SimpleTraceInterceptor extends AbstractTraceInterceptor {
```

```
/**
 * Create a new SimpleTraceInterceptor with a static logger.
 */

```

```
public SimpleTraceInterceptor() {
}

```

```
/**
 * Create a new SimpleTraceInterceptor with dynamic or static logger,
 * according to the given flag.
 * @param useDynamicLogger whether to use a dynamic logger or a static logger
 * @see #setUseDynamicLogger
 */

```

```
public SimpleTraceInterceptor(boolean useDynamicLogger) {
 setUseDynamicLogger(useDynamicLogger);
}

```

```
@Override
protected Object invokeUnderTrace(MethodInvocation invocation, Log logger) throws Throwable {
 String invocationDescription = getInvocationDescription(invocation);

```

```

logger.trace("Entering " + invocationDescription);
try {
 Object rval = invocation.proceed();
 logger.trace("Exiting " + invocationDescription);
 return rval;
}
catch (Throwable ex) {
 logger.trace("Exception thrown in " + invocationDescription, ex);
 throw ex;
}
}

/**
 * Return a description for the given method invocation.
 * @param invocation the invocation to describe
 * @return the description
 */
protected String getInvocationDescription(MethodInvocation invocation) {
 return "method '" + invocation.getMethod().getName() + "' of class [" +
 invocation.getThis().getClass().getName() + "];
}

}

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 */

package org.springframework.aop.target;

/**
 * Simple { @link org.springframework.aop.TargetSource } implementation,
 * freshly obtaining the specified target bean from its containing
 * Spring { @link org.springframework.beans.factory.BeanFactory }.
 *
 * <p>Can obtain any kind of target bean: singleton, scoped, or prototype.
 * Typically used for scoped beans.

```



```

*
* @author Juergen Hoeller
* @since 2.0.3
*/
public class SimpleBeanTargetSource extends AbstractBeanFactoryBasedTargetSource {

 public Object getTarget() throws Exception {
 return getBeanFactory().getBean(getTargetBeanName());
 }

}

```

# 1.404 spring-asm 3.0.0.RELEASE

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# 1.405 spring-beans 2.5.6

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# 1.407 spring-core 2.5.6

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# 1.408 spring-expression 3.0.0.RELEASE

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 */

package org.springframework.aop.aspectj.annotation;

import java.lang.reflect.Method;

import org.aopalliance.aop.Advice;
import org.aspectj.lang.reflect.PerClauseKind;

import org.springframework.aop.Pointcut;
import org.springframework.aop.aspectj.AspectJExpressionPointcut;
import org.springframework.aop.aspectj.AspectJPrecedenceInformation;
import org.springframework.aop.aspectj.InstantiationModelAwarePointcutAdvisor;
import org.springframework.aop.aspectj.annotation.AbstractAspectJAdvisorFactory.AspectJAnnotation;
import org.springframework.aop.support.DynamicMethodMatcherPointcut;
import org.springframework.aop.support.Pointcuts;
```

```

/**
 * Internal implementation of AspectJPointcutAdvisor.
 * Note that there will be one instance of this advisor for each target method.
 *
 * @author Rod Johnson
 * @author Juergen Hoeller
 * @since 2.0
 */
class InstantiationModelAwarePointcutAdvisorImpl
 implements InstantiationModelAwarePointcutAdvisor, AspectJPrecedenceInformation {

 private final AspectJExpressionPointcut declaredPointcut;

 private Pointcut pointcut;

 private final MetadataAwareAspectInstanceFactory aspectInstanceFactory;

 private final Method method;

 private final boolean lazy;

 private final AspectJAdvisorFactory atAspectJAdvisorFactory;

 private Advice instantiatedAdvice;

 private int declarationOrder;

 private String aspectName;

 private Boolean isBeforeAdvice = null;

 private Boolean isAfterAdvice = null;

 public InstantiationModelAwarePointcutAdvisorImpl(
 AspectJAdvisorFactory af,
 AspectJExpressionPointcut ajexp,
 MetadataAwareAspectInstanceFactory aif,
 Method method,
 int declarationOrderInAspect,
 String aspectName) {

 this.declaredPointcut = ajexp;
 this.method = method;
 this.atAspectJAdvisorFactory = af;
 this.aspectInstanceFactory = aif;
 this.declarationOrder = declarationOrderInAspect;
 }

```

```

this.aspectName = aspectName;

if (aif.getAspectMetadata().isLazilyInstantiated()) {
 // Static part of the pointcut is a lazy type.
 Pointcut preInstantiationPointcut =
 Pointcuts.union(aif.getAspectMetadata().getPerClausePointcut(), this.declaredPointcut);

 // Make it dynamic: must mutate from pre-instantiation to post-instantiation state.
 // If it's not a dynamic pointcut, it may be optimized out
 // by the Spring AOP infrastructure after the first evaluation.
 this.pointcut = new PerTargetInstantiationModelPointcut(this.declaredPointcut, preInstantiationPointcut, aif);
 this.lazy = true;
}
else {
 // A singleton aspect.
 this.instantiatedAdvice = instantiateAdvice(this.declaredPointcut);
 this.pointcut = declaredPointcut;
 this.lazy = false;
}
}

/**
 * The pointcut for Spring AOP to use. Actual behaviour of the pointcut will change
 * depending on the state of the advice.
 */
public Pointcut getPointcut() {
 return this.pointcut;
}

/**
 * This is only of interest for Spring AOP: AspectJ instantiation semantics
 * are much richer. In AspectJ terminology, all a return of <code>true</code>
 * means here is that the aspect is not a SINGLETON.
 */
public boolean isPerInstance() {
 return (getAspectMetadata().getAjType().getPerClause().getKind() != PerClauseKind.SINGLETON);
}

/**
 * Return the AspectJ AspectMetadata for this advisor.
 */
public AspectMetadata getAspectMetadata() {
 return this.aspectInstanceFactory.getAspectMetadata();
}

/**
 * Lazily instantiate advice if necessary.

```

```

*/
public synchronized Advice getAdvice() {
 if (this.instantiatedAdvice == null) {
 this.instantiatedAdvice = instantiateAdvice(this.declaredPointcut);
 }
 return this.instantiatedAdvice;
}

public boolean isLazy() {
 return this.lazy;
}

public synchronized boolean isAdviceInstantiated() {
 return (this.instantiatedAdvice != null);
}

private Advice instantiateAdvice(AspectJExpressionPointcut pcut) {
 return this.atAspectJAdvisorFactory.getAdvice(
 this.method, pcut, this.aspectInstanceFactory, this.declarationOrder, this.aspectName);
}

public MetadataAwareAspectInstanceFactory getAspectInstanceFactory() {
 return this.aspectInstanceFactory;
}

public AspectJExpressionPointcut getDeclaredPointcut() {
 return this.declaredPointcut;
}

public int getOrder() {
 return this.aspectInstanceFactory.getOrder();
}

public String getAspectName() {
 return this.aspectName;
}

public int getDeclarationOrder() {
 return this.declarationOrder;
}

public boolean isBeforeAdvice() {
 if (this.isBeforeAdvice == null) {
 determineAdviceType();
 }
 return this.isBeforeAdvice;
}

```

```

public boolean isAfterAdvice() {
 if (this.isAfterAdvice == null) {
 determineAdviceType();
 }
 return this.isAfterAdvice;
}

/**
 * Duplicates some logic from getAdvice, but importantly does not force
 * creation of the advice.
 */
private void determineAdviceType() {
 AspectJAnnotation<?> aspectJAnnotation =
 AbstractAspectJAdvisorFactory.findAspectJAnnotationOnMethod(this.method);
 if (aspectJAnnotation == null) {
 this.isBeforeAdvice = false;
 this.isAfterAdvice = false;
 }
 else {
 switch (aspectJAnnotation.getAnnotationType()) {
 case AtAfter:
 case AtAfterReturning:
 case AtAfterThrowing:
 this.isAfterAdvice = true;
 this.isBeforeAdvice = false;
 break;
 case AtAround:
 case AtPointcut:
 this.isAfterAdvice = false;
 this.isBeforeAdvice = false;
 break;
 case AtBefore:
 this.isAfterAdvice = false;
 this.isBeforeAdvice = true;
 }
 }
}

@Override
public String toString() {
 return "InstantiationModelAwarePointcutAdvisor: expression [" + getDeclaredPointcut().getExpression() +
 "]; advice method [" + this.method + "]; perClauseKind=" +
 this.aspectInstanceFactory.getAspectMetadata().getAjType().getPerClause().getKind();
}

```

```

/**
 * Pointcut implementation that changes its behaviour when the advice is instantiated.
 * Note that this is a <i>dynamic</i> pointcut. Otherwise it might
 * be optimized out if it does not at first match statically.
 */
private class PerTargetInstantiationModelPointcut extends DynamicMethodMatcherPointcut {

 private final AspectJExpressionPointcut declaredPointcut;

 private final Pointcut preInstantiationPointcut;

 private LazySingletonAspectInstanceFactoryDecorator aspectInstanceFactory;

 private PerTargetInstantiationModelPointcut(AspectJExpressionPointcut declaredPointcut,
 Pointcut preInstantiationPointcut, MetadataAwareAspectInstanceFactory aspectInstanceFactory) {
 this.declaredPointcut = declaredPointcut;
 this.preInstantiationPointcut = preInstantiationPointcut;
 if (aspectInstanceFactory instanceof LazySingletonAspectInstanceFactoryDecorator) {
 this.aspectInstanceFactory = (LazySingletonAspectInstanceFactoryDecorator) aspectInstanceFactory;
 }
 }

 @Override
 public boolean matches(Method method, Class targetClass) {
 // We're either instantiated and matching on declared pointcut, or uninstantiated matching on either pointcut
 return (isAspectMaterialized() && this.declaredPointcut.matches(method, targetClass)) ||
 this.preInstantiationPointcut.getMethodMatcher().matches(method, targetClass);
 }

 public boolean matches(Method method, Class targetClass, Object[] args) {
 // This can match only on declared pointcut.
 return (isAspectMaterialized() && this.declaredPointcut.matches(method, targetClass));
 }

 private boolean isAspectMaterialized() {
 return (this.aspectInstanceFactory == null || this.aspectInstanceFactory.isMaterialized());
 }
}

```

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*/

```

```
package org.springframework.aop.aspectj.annotation;
```

```
import org.springframework.aop.aspectj.SimpleAspectInstanceFactory;
import org.springframework.core.Ordered;
import org.springframework.core.annotation.Order;
```

```
/**
 * Implementation of { @link MetadataAwareAspectInstanceFactory } that
 * creates a new instance of the specified aspect class for every
 * { @link #getAspectInstance() } call.
 *
 * @author Juergen Hoeller
 * @since 2.0.4
 */

```

```
public class SimpleMetadataAwareAspectInstanceFactory extends SimpleAspectInstanceFactory
 implements MetadataAwareAspectInstanceFactory {
```

```
 private final AspectMetadata metadata;
```

```
/**
 * Create a new SimpleMetadataAwareAspectInstanceFactory for the given aspect class.
 * @param aspectClass the aspect class
 * @param aspectName the aspect name
 */

```

```
public SimpleMetadataAwareAspectInstanceFactory(Class aspectClass, String aspectName) {
 super(aspectClass);
 this.metadata = new AspectMetadata(aspectClass, aspectName);
}

```

```
public final AspectMetadata getAspectMetadata() {
 return this.metadata;
}

```

```
/**
 * Determine a fallback order for the case that the aspect instance
 * does not express an instance-specific order through implementing
 * the { @link org.springframework.core.Ordered } interface.

```

```

* <p>The default implementation simply returns <code>Ordered.LOWEST_PRECEDENCE</code>.
* @param aspectClass the aspect class
*/
@Override
protected int getOrderForAspectClass(Class<?> aspectClass) {
 Order order = aspectClass.getAnnotation(Order.class);
 if (order != null) {
 return order.value();
 }
 return Ordered.LOWEST_PRECEDENCE;
}

}
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*/

package org.springframework.aop.aspectj;

import org.springframework.aop.framework.AopConfigException;
import org.springframework.core.Ordered;
import org.springframework.util.Assert;

/**
* Implementation of {@link AspectInstanceFactory} that creates a new instance
* of the specified aspect class for every {@link #getAspectInstance()} call.
*
* @author Juergen Hoeller
* @since 2.0.4
*/
public class SimpleAspectInstanceFactory implements AspectInstanceFactory {

 private final Class aspectClass;

/**

```



```

* Create a new SimpleAspectInstanceFactory for the given aspect class.
* @param aspectClass the aspect class
*/
public SimpleAspectInstanceFactory(Class aspectClass) {
 Assert.notNull(aspectClass, "Aspect class must not be null");
 this.aspectClass = aspectClass;
}

/**
* Return the specified aspect class (never <code>null</code>).
*/
public final Class getAspectClass() {
 return this.aspectClass;
}

public final Object getAspectInstance() {
 try {
 return this.aspectClass.newInstance();
 }
 catch (InstantiationException ex) {
 throw new AopConfigException("Unable to instantiate aspect class [" + this.aspectClass.getName() + "]", ex);
 }
 catch (IllegalAccessException ex) {
 throw new AopConfigException("Cannot access element class [" + this.aspectClass.getName() + "]", ex);
 }
}

public ClassLoader getAspectClassLoader() {
 return this.aspectClass.getClassLoader();
}

/**
* Determine the order for this factory's aspect instance,
* either an instance-specific order expressed through implementing
* the { @link org.springframework.core.Ordered} interface,
* or a fallback order.
* @see org.springframework.core.Ordered
* @see #getOrderForAspectClass
*/
public int getOrder() {
 return getOrderForAspectClass(this.aspectClass);
}

/**
* Determine a fallback order for the case that the aspect instance
* does not express an instance-specific order through implementing
* the { @link org.springframework.core.Ordered} interface.

```

```

* <p>The default implementation simply returns <code>Ordered.LOWEST_PRECEDENCE</code>.
* @param aspectClass the aspect class
*/
protected int getOrderForAspectClass(Class<?> aspectClass) {
 return Ordered.LOWEST_PRECEDENCE;
}

}
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*/

package org.springframework.aop.config;

import org.springframework.aop.aspectj.AspectInstanceFactory;
import org.springframework.beans.factory.BeanFactory;
import org.springframework.beans.factory.BeanFactoryAware;
import org.springframework.beans.factory.config.ConfigurableBeanFactory;
import org.springframework.core.Ordered;
import org.springframework.util.ClassUtils;
import org.springframework.util.StringUtils;

/**
* Implementation of { @link AspectInstanceFactory } that locates the aspect from the
* { @link org.springframework.beans.factory.BeanFactory } using a configured bean name.
*
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
*/
public class SimpleBeanFactoryAwareAspectInstanceFactory implements AspectInstanceFactory,
 BeanFactoryAware {

 private String aspectBeanName;

 private BeanFactory beanFactory;

```

```

/**
 * Set the name of the aspect bean. This is the bean that is returned when calling
 * {@link #getAspectInstance()}.
 */
public void setAspectBeanName(String aspectBeanName) {
 this.aspectBeanName = aspectBeanName;
}

public void setBeanFactory(BeanFactory beanFactory) {
 this.beanFactory = beanFactory;
 if (!StringUtils.hasText(this.aspectBeanName)) {
 throw new IllegalArgumentException("'aspectBeanName' is required");
 }
}

/**
 * Look up the aspect bean from the {@link BeanFactory} and returns it.
 * @see #setAspectBeanName
 */
public Object getAspectInstance() {
 return this.beanFactory.getBean(this.aspectBeanName);
}

public ClassLoader getAspectClassLoader() {
 if (this.beanFactory instanceof ConfigurableBeanFactory) {
 return ((ConfigurableBeanFactory) this.beanFactory).getBeanClassLoader();
 }
 else {
 return ClassUtils.getDefaultClassLoader();
 }
}

public int getOrder() {
 if (this.beanFactory.isSingleton(this.aspectBeanName) &&
 this.beanFactory.isTypeMatch(this.aspectBeanName, Ordered.class)) {
 return ((Ordered) this.beanFactory.getBean(this.aspectBeanName)).getOrder();
 }
 return Ordered.LOWEST_PRECEDENCE;
}

}
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```

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- \*/

```
package org.springframework.aop.interceptor;
```

```
import org.aopalliance.intercept.MethodInvocation;
```

```
import org.apache.commons.logging.Log;
```

```
/**
```

```
* Simple AOP Alliance MethodInterceptor that can be introduced
* in a chain to display verbose trace information about intercepted method
* invocations, with method entry and method exit info.
```

```
*
```

```
*

Consider using CustomizableTraceInterceptor for more
* advanced needs.


```

```
*
```

```
* @author Dmitriy Kopylenko
```

```
* @author Juergen Hoeller
```

```
* @since 1.2
```

```
* @see CustomizableTraceInterceptor
```

```
*/
```

```
public class SimpleTraceInterceptor extends AbstractTraceInterceptor {
```

```
/**
```

```
* Create a new SimpleTraceInterceptor with a static logger.
```

```
*/
```

```
public SimpleTraceInterceptor() {
```

```
}
```

```
/**
```

```
* Create a new SimpleTraceInterceptor with dynamic or static logger,
```

```
* according to the given flag.
```

```
* @param useDynamicLogger whether to use a dynamic logger or a static logger
```

```
* @see #setUseDynamicLogger
```

```
*/
```

```
public SimpleTraceInterceptor(boolean useDynamicLogger) {
```

```
 setUseDynamicLogger(useDynamicLogger);
```

```
}
```

```

@Override
protected Object invokeUnderTrace(MethodInvocation invocation, Log logger) throws Throwable {
 String invocationDescription = getInvocationDescription(invocation);
 logger.trace("Entering " + invocationDescription);
 try {
 Object rval = invocation.proceed();
 logger.trace("Exiting " + invocationDescription);
 return rval;
 }
 catch (Throwable ex) {
 logger.trace("Exception thrown in " + invocationDescription, ex);
 throw ex;
 }
}

/**
 * Return a description for the given method invocation.
 * @param invocation the invocation to describe
 * @return the description
 */
protected String getInvocationDescription(MethodInvocation invocation) {
 return "method '" + invocation.getMethod().getName() + "' of class [" +
 invocation.getThis().getClass().getName() + "];"
}

}

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 */

package org.springframework.aop.target;

/**
 * Simple {@link org.springframework.aop.TargetSource} implementation,
 * freshly obtaining the specified target bean from its containing

```

```

* Spring { @link org.springframework.beans.factory.BeanFactory }.
*
* <p>Can obtain any kind of target bean: singleton, scoped, or prototype.
* Typically used for scoped beans.
*
* @author Juergen Hoeller
* @since 2.0.3
*/
public class SimpleBeanTargetSource extends AbstractBeanFactoryBasedTargetSource {

 public Object getTarget() throws Exception {
 return getBeanFactory().getBean(getTargetBeanName());
 }

}

```

## 1.409 spring-web 2.5.6

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Version 2.0, January 2004

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## 1.416 switch-perl 2.16 :Oct 23 2009

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Source: <http://search.cpan.org/dist/Switch/>

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Files: \*

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## 1.419 sysvinit 2.88dsf-13.1+squeeze1

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The of the start-stop-daemon

- \* A rewrite of the original Debian's start-stop-daemon Perl script
- \* in C (faster - it is executed many times during system startup).
- \*
- \* Written by Marek Michalkiewicz <[marekm@i17linuxb.ists.pwr.wroc.pl](mailto:marekm@i17linuxb.ists.pwr.wroc.pl)>,
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## 1.420 tar 1.23-3

## 1.420.1 Available under license :

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## 1.423 tiff3 3.9.6-11

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## 1.424 tomcat-annotations-api 7.0.16

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# 1.425 tomcat-api 7.0.16

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## 1.426 tomcat-catalina 7.0.35

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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
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- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- web-app\_3\_0.xsd
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- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
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- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd

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# 1.427 tomcat-coyote 7.0.16

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 */
```

```
package org.apache.tomcat.util.bcel.classfile;
```

```
import java.io.DataOutputStream;
```

```
import java.io.IOException;
```

```
import org.apache.tomcat.util.bcel.Constants;
```

```
public class SimpleElementValue extends ElementValue
```

```
{
```

```

private int index;

public SimpleElementValue(int type, int index, ConstantPool cpool)
{
 super(type, cpool);
 this.index = index;
}

/**
 * @return Value entry index in the cpool
 */
public int getIndex()
{
 return index;
}

@Override
public String toString()
{
 return stringifyValue();
}

// Whatever kind of value it is, return it as a string
@Override
public String stringifyValue()
{
 switch (type)
 {
 case PRIMITIVE_INT:
 ConstantInteger c = (ConstantInteger) cpool.getConstant(getIndex(),
 Constants.CONSTANT_Integer);
 return Integer.toString(c.getBytes());
 case PRIMITIVE_LONG:
 ConstantLong j = (ConstantLong) cpool.getConstant(getIndex(),
 Constants.CONSTANT_Long);
 return Long.toString(j.getBytes());
 case PRIMITIVE_DOUBLE:
 ConstantDouble d = (ConstantDouble) cpool.getConstant(getIndex(),
 Constants.CONSTANT_Double);
 return Double.toString(d.getBytes());
 case PRIMITIVE_FLOAT:
 ConstantFloat f = (ConstantFloat) cpool.getConstant(getIndex(),
 Constants.CONSTANT_Float);
 return Float.toString(f.getBytes());
 case PRIMITIVE_SHORT:
 ConstantInteger s = (ConstantInteger) cpool.getConstant(getIndex(),
 Constants.CONSTANT_Integer);

```

```

 return Integer.toString(s.getBytes());
 case PRIMITIVE_BYTE:
 ConstantInteger b = (ConstantInteger) cpool.getConstant(getIndex(),
 Constants.CONSTANT_Integer);
 return Integer.toString(b.getBytes());
 case PRIMITIVE_CHAR:
 ConstantInteger ch = (ConstantInteger) cpool.getConstant(
 getIndex(), Constants.CONSTANT_Integer);
 return String.valueOf((char)ch.getBytes());
 case PRIMITIVE_BOOLEAN:
 ConstantInteger bo = (ConstantInteger) cpool.getConstant(
 getIndex(), Constants.CONSTANT_Integer);
 if (bo.getBytes() == 0) {
 return "false";
 }
 return "true";
 case STRING:
 ConstantUtf8 cu8 = (ConstantUtf8) cpool.getConstant(getIndex(),
 Constants.CONSTANT_Utf8);
 return cu8.getBytes();
 default:
 throw new RuntimeException(
 "SimpleElementValue class does not know how to stringify type "
 + type);
 }
}

```

@Override

```

public void dump(DataOutputStream dos) throws IOException
{
 dos.writeByte(type); // u1 kind of value
 switch (type)
 {
 case PRIMITIVE_INT:
 case PRIMITIVE_BYTE:
 case PRIMITIVE_CHAR:
 case PRIMITIVE_FLOAT:
 case PRIMITIVE_LONG:
 case PRIMITIVE_BOOLEAN:
 case PRIMITIVE_SHORT:
 case PRIMITIVE_DOUBLE:
 case STRING:
 dos.writeShort(getIndex());
 break;
 default:
 throw new RuntimeException(
 "SimpleElementValue doesnt know how to write out type "
 + type);
 }
}

```

```

 }
 }
}
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 */
package org.apache.tomcat.util.http.fileupload.util;

import java.io.Serializable;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;
import java.util.Iterator;
import java.util.List;
import java.util.Locale;
import java.util.Map;

import org.apache.tomcat.util.http.fileupload.FileItemHeaders;

/**
 * Default implementation of the {@link FileItemHeaders} interface.
 *
 * @author Michael C. Macaluso
 * @since 1.3
 */
public class FileItemHeadersImpl implements FileItemHeaders, Serializable {
 private static final long serialVersionUID = -4455695752627032559L;

 /**
 * Map of String keys to a List of
 * String instances.
 */
 private final Map<String,List<String>> headerNameToValueListMap =
 new HashMap<String,List<String>>();

```



```

/**
 * List to preserve order of headers as added. This would not be
 * needed if a <code>LinkedHashMap</code> could be used, but don't
 * want to depend on 1.4.
 */
private final List<String> headerNameList = new ArrayList<String>();

public String getHeader(String name) {
 String nameLower = name.toLowerCase(Locale.ENGLISH);
 List<String> headerValueList = headerNameToValueListMap.get(nameLower);
 if (null == headerValueList) {
 return null;
 }
 return headerValueList.get(0);
}

public Iterator<String> getHeaderNames() {
 return headerNameList.iterator();
}

public Iterator<String> getHeaders(String name) {
 String nameLower = name.toLowerCase(Locale.ENGLISH);
 List<String> headerValueList = headerNameToValueListMap.get(nameLower);
 if (null == headerValueList) {
 return Collections.<String>emptyList().iterator();
 }
 return headerValueList.iterator();
}

/**
 * Method to add header values to this instance.
 *
 * @param name name of this header
 * @param value value of this header
 */
public synchronized void addHeader(String name, String value) {
 String nameLower = name.toLowerCase();
 List<String> headerValueList = headerNameToValueListMap.get(nameLower);
 if (null == headerValueList) {
 headerValueList = new ArrayList<String>();
 headerNameToValueListMap.put(nameLower, headerValueList);
 headerNameList.add(nameLower);
 }
 headerValueList.add(value);
}
}

```

```

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```

```
package org.apache.tomcat.util.http.fileupload.util;
```

```
import java.io.FilterInputStream;
import java.io.IOException;
import java.io.InputStream;
```

```

/**
 * An input stream, which limits its data size. This stream is
 * used, if the content length is unknown.
 */
public abstract class LimitedInputStream
 extends FilterInputStream implements Closeable {
 /**
 * The maximum size of an item, in bytes.
 */
 private long sizeMax;
 /**
 * The current number of bytes.
 */
 private long count;
 /**
 * Whether this stream is already closed.
 */
 private boolean closed;

 /**
 * Creates a new instance.
 * @param pIn The input stream, which shall be limited.
 * @param pSizeMax The limit; no more than this number of bytes
 * shall be returned by the source stream.
 */

```

```

public LimitedInputStream(InputStream pIn, long pSizeMax) {
 super(pIn);
 sizeMax = pSizeMax;
}

/**
 * Called to indicate, that the input streams limit has
 * been exceeded.
 * @param pSizeMax The input streams limit, in bytes.
 * @param pCount The actual number of bytes.
 * @throws IOException The called method is expected
 * to raise an IOException.
 */
protected abstract void raiseError(long pSizeMax, long pCount)
 throws IOException;

/** Called to check, whether the input streams
 * limit is reached.
 * @throws IOException The given limit is exceeded.
 */
private void checkLimit() throws IOException {
 if (count > sizeMax) {
 raiseError(sizeMax, count);
 }
}

/**
 * Reads the next byte of data from this input stream. The value
 * byte is returned as an int in the range
 * 0 to 255. If no byte is available
 * because the end of the stream has been reached, the value
 * -1 is returned. This method blocks until input data
 * is available, the end of the stream is detected, or an exception
 * is thrown.
 * <p>
 * This method
 * simply performs in.read() and returns the result.
 *
 * @return the next byte of data, or -1 if the end of the
 * stream is reached.
 * @exception IOException if an I/O error occurs.
 * @see java.io.FilterInputStream#in
 */
@Override
public int read() throws IOException {
 int res = super.read();
 if (res != -1) {
 count++;
 }
}

```

```

 checkLimit();
 }
 return res;
}

/**
 * Reads up to <code>len</code> bytes of data from this input stream
 * into an array of bytes. If <code>len</code> is not zero, the method
 * blocks until some input is available; otherwise, no
 * bytes are read and <code>0</code> is returned.
 * <p>
 * This method simply performs <code>in.read(b, off, len)</code>
 * and returns the result.
 *
 * @param b the buffer into which the data is read.
 * @param off The start offset in the destination array
 * <code>b</code>.
 * @param len the maximum number of bytes read.
 * @return the total number of bytes read into the buffer, or
 * <code>-1</code> if there is no more data because the end of
 * the stream has been reached.
 * @exception NullPointerException If <code>b</code> is <code>>null</code>.
 * @exception IndexOutOfBoundsException If <code>off</code> is negative,
 * <code>len</code> is negative, or <code>len</code> is greater than
 * <code>b.length - off</code>
 * @exception IOException if an I/O error occurs.
 * @see java.io.FilterInputStream#in
 */
@Override
public int read(byte[] b, int off, int len) throws IOException {
 int res = super.read(b, off, len);
 if (res > 0) {
 count += res;
 checkLimit();
 }
 return res;
}

/**
 * Returns, whether this stream is already closed.
 * @return True, if the stream is closed, otherwise false.
 * @throws IOException An I/O error occurred.
 */
public boolean isClosed() throws IOException {
 return closed;
}

/**

```

```

* Closes this input stream and releases any system resources
* associated with the stream.
* This
* method simply performs <code>in.close()</code>.
*
* @exception IOException if an I/O error occurs.
* @see java.io.FilterInputStream#in
*/
@Override
public void close() throws IOException {
 closed = true;
 super.close();
}
}

```

# 1.428 tomcat-el-api 7.0.16

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# 1.432 tomcat-juli 7.0.16

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- javaee\_web\_services\_1\_3.xsd
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## 1.434 tomcat-util 7.0.16

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Upstream Authors:

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The family of ttf-kochi-{gothic,mincho},  
ttf-kochi-{gothic,mincho}-naga10 consists of the 2 font;  
gothic and mincho.  
I describe ttf-kochi-{gothic,mincho} as ttf-kochi-\*,  
ttf-kochi-{gothic,mincho}-naga10 as ttf-kochi-\*-naga10.

The difference of between ttf-kochi-\* and ttf-kochi-\*-naga10  
is that ttf-kochi-\*-naga10 includes naga10 font, but  
ttf-kochi-\*-naga10 is removed all naga10 information by me.  
Naga10 font is DFSG non-free, and the other part of  
ttf-kochi-\* is DFSG free, so ttf-kochi-\* is main and  
ttf-kochi-\*-naga10 is non-free.

ttf-kochi-gothic-naga10 is based on Wadalab Gothic font  
(you can use it as ttf-xtt-wadalab-gothic debian package),  
ttf-kochi-mincho-naga10 is based on Watanabe Mincho font  
(you can use it as ttf-xtt-watanabe-mincho debian package),  
but the upstream author introduced naga10 (xfonts-naga10 as  
debian non-free section package), shinonome  
(xfonts-shinonome in main section), tachibana k14 (it's



included in X11 standard distribution, in main section), kappa20 (xfonts-kappa20 in main section), for the truetype bitmap hinting information. The upstream author says the license of his derived work is followed by Wadalab Gothic/Watanabe Mincho font, so his part of license is the DFSG free. The shinonome, tachibana k14, kappa20 is also DFSG free. The part of naga10 is non-free. ttf-kochi-\* removes all naga10 information by me, so ttf-kochi-\* is DFSG free. ttf-kochi-\*-naga10 includes naga10 information, so it's DFSG non-free.

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ftp.ipl.t.u-tokyo.ac.jp
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10 10
docs/naga10/README
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with the additional information of what has been altered.  
At that location we also plan to store the upgrade,  
to give the user the possibility to receive always  
the latest version.

In case you want to point out mistakes in the outline  
of Kanjis or are not satisfied with the poor design,  
please do not hesitate to contact  
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You have to read docs/naga10/README using as commercial purpose,  
or modifying data, because this font uses naga10 font.  
In addition, if you modify other part of this font except for  
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On the contrally, if you remove the part of naga10 bitmap  
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ttf-kochi-{mincho,gothic} removes all naga10 information, so you  
can use it as DFSG-free. Kappa20's license is DFSG-free (see kappa20  
package). I notice you that upstream author is not familiar with  
license issue, so his statement has some confusion.

And please read README.Debian. Old ttf-kochi-{mincho,gothic} and  
ttf-kochi-{mincho,gothic}-naga10 are replaced with new ttf-kochi  
substitute family. This is because "Watanabe truetype font" has  
license problem, and newer debian package replaces all problem stuff.

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ftp.ipl.t.u-tokyo.ac.jp
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10 10
docs/naga10/README
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# 1.438 ttf-sazanami 20040629-8

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```

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```
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```

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## 1.441 udev 164-3

### 1.441.1 Available under license :

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## 1.442 unzip 6.0-4

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---

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

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Regarding the first stipulation, Mr. Smith was tracked down in southern

California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

-----

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-----

The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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Steve P. Miller, Sergio Monesi, Keith Owens, George Petrov, Greg Roelofs, Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda, Christian Spieler, Cosmin Truta, Antoine Verheijen, Paul von Behren, Rich Wales, Mike White.

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This package was split from netbase on Sun Sep 10 12:19:47 CEST 2006 and is currently maintained by Serafeim Zankolas <sez@debian.org>.

```
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# 1.445 ustr 1.0.4-3

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## 1.446 util-linux 2.17.2-9

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```
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```

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<signature of Ty Coon>, 1 April 1989
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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
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---

Kibaale Children's Centre \*kcc\* \*Kibaale\* \*charity\*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted.

For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

\*donate\*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:  
Kibaale Children's Centre

p.o. box 1658  
Masaka, Uganda, East Africa

Sending money: \*iccf-donations\*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.

Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy

10238-168 Street

Surrey, B.C. V4N 1Z4

Canada

Phone: 604-581-5353

If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.

This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774

Germany: It is possible to make donations that allow for a tax return.

Check the ICCF web site for the latest information:

<http://iccf-holland.org/germany.html>

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

[https://www.paypal.com/en\\_US/mrb/pal=XAC62PML3GF8Q](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)

The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro (\$500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: NL95 INGB 0004 5487 74

under the name "stichting ICCF Holland", Lisse

If that doesn't work:

Rabobank Lisse, account 3765.05.117

Swift code: RABO NL 2U

under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

stichting ICCF Holland

Bram Moolenaar

Finsterruetihof 1

8134 Adliswil

Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:

This is the Debian pre-packaged version of vim. Vim is an almost compatible version of the UNIX editor Vi. Many new features have been added: multi level undo, syntax highlighting, command line history, on-line help, filename completion, block operations, etc.

This package was put together by Wichert Akkerman <wakkerma@debian.org> from sources obtained from: <ftp://ftp.vim.org/pub/vim/unix/>. The current maintainer is Debian VIM Maintainers <pkg-vim-maintainers@lists.alioth.debian.org>.

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## 1.453 wget 1.12-2.1

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Nicolás Lichtmaier <[nick@debian.org](mailto:nick@debian.org)> on Sat, 18 Oct 1997 21:23:12 -0300

Noël Köthe <[noel@debian.org](mailto:noel@debian.org)> on Mon, 18 Feb 2002 09:53:00 +0100

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## 1.457 wstx-asl 3.2.9

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/\* \$XFree86\$ \*/

/\*

\* xcalc.c - a hand calculator for the X Window system

\*

\* Original Author: John H. Bradley, University of Pennsylvania

\* (bradley@cis.upenn.edu) March, 1987

\* RPN mode added and port to X11 by Mark Rosenstein, MIT Project Athena

\* Rewritten to be an Xaw and Xt client by Donna Converse, MIT X Consortium

\*/

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## 1.459 x11-session-utils 7.5+1

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# 1.460 x11-utils 7.5+4

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Client application for querying drivers' configuration information

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## 1.461 x11-xfs-utils 7.4+1

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## 1.462 x11-xkb-utils 7.5+5

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The contents of this package were downloaded from  
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It contains the setxkbmap, xkbcomp, xkbenvd, xkbprint and xkbutils applications.

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## 1.463 x11-xserver-utils 7.5+3

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## 1.473 xfonts-base 1:1.0.1

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Packaged by: David Nusinow <dnusinow@debian.org> and others.

Source:

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## 1.490 xserver-xorg-input-evdev 1:2.3.2-6

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Name: XZ Utils

Maintainer: Lasse Collin <[lasse.collin@tukaani.org](mailto:lasse.collin@tukaani.org)>

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Files: m4/getopt.m4, m4/posix-shell.m4

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Files: `src/liblzma/check/crc32_table_[bl]e.h`,

`src/liblzma/check/crc64_table_[bl]e.h`,

`src/liblzma/lzma/fastpos_table.c`,

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`src/liblzma/check/crc64_tablegen.c`,

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changelog.gz (commit 975d8fd) explains:

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Recreated the BCJ test files for x86 and SPARC. The old files were linked with crt\*.o, which are copyrighted, and thus the old test files were not in the public domain as a whole. They are freely distributable though, but it is better to be careful and avoid including any copyrighted pieces in the test files. The new files are just compiled and assembled object files, and thus don't contain any copyrighted code.

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X-Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,

David Mackenzie, Bruno Haible, and many others.

X-Origin: configure.ac from XZ Utils,

visibility.m4 serial 1 (gettext-0.15),

Autoconf 2.52g

License: config-h

configure.ac:

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Files: po/Makevars

X-Origin: gettext-runtime/po/Makevars (gettext-0.12)

X-Authors: Bruno Haible

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Files: INSTALL.generic

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

That's all there is to it!

## 1.498 zlib 1:1.2.3.4.dfsg-3

### 1.498.1 Available under license :

This is the pre-packaged Debian Linux version of the zlib compression library. It was packaged by Michael Alan Dorman <mdorman@debian.org> from sources originally retrieved from ftp.uu.net in the directory /pub/archiving/zip/zlib as the file zlib-1.0.4.tar.gz.

There is a homepage at <http://www.gzip.org/zlib/>

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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