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Text Part Number: 78EE117C99-1017625387

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**In your requests please include the following reference number 78EE117C99-1017625387**

## Contents

- 1.1 eclipse-core-jobs 3.5.100**
- 1.2 ustr 1.0.4-5**
  - 1.2.1 Available under license
- 1.3 libunwind 1.2.1-8**
  - 1.3.1 Available under license
- 1.4 libxcursor 1.1.15 1**
  - 1.4.1 Available under license
- 1.5 ifupdown 0.8.17ubuntu1**
  - 1.5.1 Available under license
- 1.6 liblocale-gettext-perl 1.07-3build2**
  - 1.6.1 Available under license
- 1.7 wget 1.19.4 1ubuntu2.2**
  - 1.7.1 Available under license
- 1.8 python-cffi 1.11.5 1**
  - 1.8.1 Available under license
- 1.9 glib 2.56.4 0ubuntu0.18.04.5**
  - 1.9.1 Available under license
- 1.10 libsigar 1.6.4**
- 1.11 google-java-format 1.1**
- 1.12 libxcb 1.13-1**
  - 1.12.1 Available under license
- 1.13 json-c 0.12.1 1.3**
  - 1.13.1 Available under license
- 1.14 gettext 0.19.8.1 6ubuntu0.3**
  - 1.14.1 Available under license
- 1.15 spray-util 1.3.3**

- 1.15.1 Available under license
- 1.16 libxtst 1.2.3-1**
  - 1.16.1 Available under license
- 1.17 sharpzplib 0.84.0.0**
  - 1.17.1 Available under license
- 1.18 markupsafe 1.0 1build1**
  - 1.18.1 Available under license
- 1.19 chardet 3.0.4 1**
  - 1.19.1 Available under license
- 1.20 dmidecode 3.1-1**
  - 1.20.1 Available under license
- 1.21 commons-codec 1.11**
  - 1.21.1 Available under license
- 1.22 util-linux 2.31.1-0.4ubuntu3**
  - 1.22.1 Available under license
- 1.23 nss 3.35-2ubuntu2.6**
  - 1.23.1 Available under license
- 1.24 fribidi 0.19.7-2**
  - 1.24.1 Available under license
- 1.25 popularity-contest 1.66ubuntu1**
  - 1.25.1 Available under license
- 1.26 jnr-unixsocket 0.17**
- 1.27 sysv-init 2.88dsf 59.3ubuntu2**
  - 1.27.1 Available under license
- 1.28 ca-certificates 20180409**
  - 1.28.1 Available under license
- 1.29 elfutils 0.170-0.4ubuntu0.1**
  - 1.29.1 Available under license
- 1.30 scala 2.11.7**
- 1.31 gccgo 4.9.3 0ubuntu4**
  - 1.31.1 Available under license
- 1.32 fontconfig 2.12.6 0ubuntu2**
  - 1.32.1 Available under license
- 1.33 gtk 3.22.30-1ubuntu1**
  - 1.33.1 Available under license
- 1.34 expat 2.2.5 3ubuntu0.2**
  - 1.34.1 Available under license
- 1.35 numactl 2.0.11-2.1**
  - 1.35.1 Available under license

- 1.36 sysv-init 2.88dsf 59.10ubuntu1**
  - 1.36.1 Available under license
- 1.37 config 1.2.1**
- 1.38 linux-signed 4.15.0-43.46**
  - 1.38.1 Available under license
- 1.39 libfastjson 0.99.8-2**
  - 1.39.1 Available under license
- 1.40 unsafe-fences 1.0**
- 1.41 eclipse 3.7.1.R37x\_v20110808-1106**
  - 1.41.1 Available under license
- 1.42 rsync 3.1.2 2.1ubuntu1**
  - 1.42.1 Available under license
- 1.43 six 1.11.0 2**
  - 1.43.1 Available under license
- 1.44 cpio 2.12+dfsg 6ubuntu0.18.04.1**
  - 1.44.1 Available under license
- 1.45 dash 0.5.8 2.10**
  - 1.45.1 Available under license
- 1.46 zlib 1.2.11.dfsg 0ubuntu2**
  - 1.46.1 Available under license
- 1.47 libtext-iconv-perl 1.7-5build6**
- 1.48 lsof 4.89+dfsg-0.1**
  - 1.48.1 Available under license
- 1.49 cairo 1.15.10-2**
  - 1.49.1 Available under license
- 1.50 diffutils 3.6 1**
  - 1.50.1 Available under license
- 1.51 commons-pool 2.4.2**
  - 1.51.1 Available under license
- 1.52 patch 2.7.6 2ubuntu1.1**
  - 1.52.1 Available under license
- 1.53 pppoeconf 1.21ubuntu1**
  - 1.53.1 Available under license
- 1.54 mono-data-sqlite-portable 1.0.61.0**
- 1.55 mime-pull 1.9.5**
  - 1.55.1 Available under license
- 1.56 iucode-tool 2.3.1-1**
  - 1.56.1 Available under license
- 1.57 open-ldap 2.4.45+dfsg-1ubuntu1.3**

1.57.1 Available under license  
**1.58 python-idna 2.6-1**  
1.58.1 Available under license  
**1.59 apt 1.6.6ubuntu0.1**  
1.59.1 Available under license  
**1.60 dirgra 0.3**  
1.60.1 Available under license  
**1.61 libaio 5.7.25-0ubuntu0.18.04.2**  
1.61.1 Available under license  
**1.62 log4j-api 2.9.1**  
1.62.1 Available under license  
**1.63 usbutils 007-4build1**  
1.63.1 Available under license  
**1.64 libxrender 0.9.10-1**  
1.64.1 Available under license  
**1.65 bctls-jdk15on 1.59**  
**1.66 eclipse-text 3.5.101**  
**1.67 libgnomeui 2.24.5-3.1**  
1.67.1 Available under license  
**1.68 libcap 2.37-3ubuntu10.29**  
1.68.1 Available under license  
**1.69 systemd 237-3ubuntu10.33**  
1.69.1 Available under license  
**1.70 busybox 1.27.2-2ubuntu3.2**  
1.70.1 Available under license  
**1.71 isc-dhcp 4.3.5-3ubuntu7.1**  
1.71.1 Available under license  
**1.72 pcre 8.42**  
1.72.1 Available under license  
**1.73 libxcomposite 0.4.4-2**  
1.73.1 Available under license  
**1.74 json-c 0.11-4ubuntu2**  
1.74.1 Available under license  
**1.75 udev 237-3ubuntu10.29**  
1.75.1 Available under license  
**1.76 netkit-telnet 0.17-41**  
1.76.1 Available under license  
**1.77 gcc 8.3.0-6ubuntu1~18.04.1**  
**1.78 libgnome 2.32.1-5ubuntu1**

- 1.78.1 Available under license
- 1.79 less 487 0.1**
- 1.79.1 Available under license
- 1.80 commons-compiler 3.0.8**
- 1.81 sapientguardian-mysql-data 6.9.8**
- 1.81.1 Available under license
- 1.82 libmnl 1.0.4 2**
- 1.82.1 Available under license
- 1.83 consolekit 0.4.5 3.1ubuntu2**
- 1.83.1 Available under license
- 1.84 sound-theme-freedesktop 0.8-2ubuntu1**
- 1.84.1 Available under license
- 1.85 mysql 5.7.25 0ubuntu0.18.04.2**
- 1.85.1 Available under license
- 1.86 init-system-helpers 1.51**
- 1.86.1 Available under license
- 1.87 httpcomponents-client 4.5.1**
- 1.88 pcre 2.56.4 0ubuntu0.18.04.5**
- 1.88.1 Available under license
- 1.89 gcc-defaults 7.4.0 1ubuntu2.3**
- 1.89.1 Available under license
- 1.90 gettext 1.27.2 2ubuntu3.2**
- 1.90.1 Available under license
- 1.91 asn1crypto 0.24.0-1**
- 1.91.1 Available under license
- 1.92 gobject-introspection 1.56.1-1**
- 1.92.1 Available under license
- 1.93 snappy-java 1.1.1.7**
- 1.94 gdbm 1.14.1-6**
- 1.94.1 Available under license
- 1.95 dbus-glib 0.110-2**
- 1.95.1 Available under license
- 1.96 apache-httpclient 4.5.2**
- 1.96.1 Available under license
- 1.97 jruby-stdlib 9.1.13.0**
- 1.97.1 Available under license
- 1.98 python-stdlib-extensions 3.6.5-3**
- 1.99 ntp 4.2.8p4+dfsg 3ubuntu5.9**
- 1.99.1 Available under license

- 1.100 time 1.7 25.1build1**
  - 1.100.1 Available under license
- 1.101 rabbitmq-server 3.7.10-1**
  - 1.101.1 Available under license
- 1.102 dh-python 3.20180325ubuntu2**
  - 1.102.1 Available under license
- 1.103 jsr305 1.3.9**
- 1.104 dbus-python 1.2.6 1**
  - 1.104.1 Available under license
- 1.105 iptables 1.4.21-1ubuntu1**
  - 1.105.1 Available under license
- 1.106 py-asn1 0.4.2-3**
  - 1.106.1 Available under license
- 1.107 insserv 1.14.0 5ubuntu3**
  - 1.107.1 Available under license
- 1.108 bcel 2.7.2**
  - 1.108.1 Available under license
- 1.109 libtool 2.4.6 2**
  - 1.109.1 Available under license
- 1.110 zstd 1.3.3+dfsg 2ubuntu1.1**
  - 1.110.1 Available under license
- 1.111 irqbalance 1.3.0-0.1**
  - 1.111.1 Available under license
- 1.112 libogg 1.3.5-4.2**
  - 1.112.1 Available under license
- 1.113 apt-offline 1.3.1ubuntu0.1**
  - 1.113.1 Available under license
- 1.114 unixodbc 2.3.4-1.1ubuntu3**
  - 1.114.1 Available under license
- 1.115 cups 2.2.7 1ubuntu2.7**
  - 1.115.1 Available under license
- 1.116 pycurl 7.43.0.1-0.2**
  - 1.116.1 Available under license
- 1.117 webactivatorex 2.2.0**
  - 1.117.1 Available under license
- 1.118 slf4j-simple 1.7.23**
- 1.119 bsdmainutils 11.1.2ubuntu1**
  - 1.119.1 Available under license
- 1.120 xalan 2.7.2**

- 1.120.1 Available under license
- 1.121 language-selector 0.188**
  - 1.121.1 Available under license
- 1.122 make-dfsg 4.1-9.1ubuntu1**
  - 1.122.1 Available under license
- 1.123 netty-tcnative-boringssl-static 2.0.7**
- 1.124 dash 2.0.4 9ubuntu2**
  - 1.124.1 Available under license
- 1.125 amd64-microcode 3.20191021.1+really3.20181128.1~ubuntu0.18.04.1**
  - 1.125.1 Available under license
- 1.126 libffi 3.2.1 8**
  - 1.126.1 Available under license
- 1.127 mono-cecil 0.10.0.0**
- 1.128 ed 1.10-2.1**
  - 1.128.1 Available under license
- 1.129 libpcap 1.8.1-6ubuntu1.18.04.1**
  - 1.129.1 Available under license
- 1.130 pinentry 1.1.0-1**
  - 1.130.1 Available under license
- 1.131 gccgo 6.0.1-0ubuntu1**
  - 1.131.1 Available under license
- 1.132 ncurses 6.1-1ubuntu1**
  - 1.132.1 Available under license
- 1.133 bash 4.4.18 2ubuntu1**
  - 1.133.1 Available under license
- 1.134 commons-io 2.5**
  - 1.134.1 Available under license
- 1.135 libtiff 4.0.9 5ubuntu0.3**
  - 1.135.1 Available under license
- 1.136 grep 3.1 2**
  - 1.136.1 Available under license
- 1.137 man-db 2.8.3-2**
  - 1.137.1 Available under license
- 1.138 ppp 2.4.7-2+2ubuntu1.1**
  - 1.138.1 Available under license
- 1.139 pkg-config 0.29.1 0ubuntu2**
  - 1.139.1 Available under license
- 1.140 debconf 1.5.66**
  - 1.140.1 Available under license



- 1.141 tar 1.29b-2**
  - 1.141.1 Available under license
- 1.142 glibc 2.27 3ubuntu1**
  - 1.142.1 Available under license
- 1.143 rabbitmq-client 5.1.0**
  - 1.143.1 Available under license
- 1.144 eclipse-equinox-registry 3.5.101**
- 1.145 enum34 1.1.6-2**
  - 1.145.1 Available under license
- 1.146 inetutils 0.17 41**
  - 1.146.1 Available under license
- 1.147 httpcomponents-mime 4.5.2**
  - 1.147.1 Available under license
- 1.148 gcc 4.8.4-2ubuntu1~14.04.4**
  - 1.148.1 Available under license
- 1.149 spray-can 1.3.3**
  - 1.149.1 Available under license
- 1.150 liblog-message-simple-perl 0.10-1**
- 1.151 azure-storage 7.0.0**
- 1.152 software-properties 0.92.37.7**
  - 1.152.1 Available under license
- 1.153 jffi 1.2.16**
- 1.154 orbit 2.14.19 1build1**
  - 1.154.1 Available under license
- 1.155 pixman 0.34.0 2**
  - 1.155.1 Available under license
- 1.156 humanity-icon-theme 0.6.15**
  - 1.156.1 Available under license
- 1.157 cryptsetup 2.0.2-1ubuntu1**
  - 1.157.1 Available under license
- 1.158 libogg 1.3.2 1**
  - 1.158.1 Available under license
- 1.159 jackson-dataformat-cbor 2.9.5**
- 1.160 json-c 0.99.8 2**
  - 1.160.1 Available under license
- 1.161 libyaml 0.1.7 2ubuntu3**
  - 1.161.1 Available under license
- 1.162 log4net 2.0.8.0-.NET**
  - 1.162.1 Available under license

- 1.163 jruby-complete 9.1.13.0**
  - 1.163.1 Available under license
- 1.164 tdb 1.3.15-2**
  - 1.164.1 Available under license
- 1.165 eclipse-core-commands 3.6.0**
  - 1.165.1 Available under license
- 1.166 acl 2.2.52 3build1**
  - 1.166.1 Available under license
- 1.167 jnr-x86asm 1.0.2**
  - 1.167.1 Available under license
- 1.168 unboundid-ldap-sdk 3.1.0**
  - 1.168.1 Available under license
- 1.169 tcp-wrapper 7.6.q-27**
  - 1.169.1 Available under license
- 1.170 libtasn 4.13-2**
  - 1.170.1 Available under license
- 1.171 mtr 0.92 1**
  - 1.171.1 Available under license
- 1.172 bcpkix-jdk15on 1.56**
- 1.173 libcap 2.25-1.2**
  - 1.173.1 Available under license
- 1.174 eclipse-equinox-preferences 3.4.1**
- 1.175 gamin 0.1.10 4.1ubuntu1**
  - 1.175.1 Available under license
- 1.176 pyyaml 3.12-1build2**
  - 1.176.1 Available under license
- 1.177 newt 0.52.20 1ubuntu1**
  - 1.177.1 Available under license
- 1.178 lvm2 2.02.176-4.1ubuntu3**
  - 1.178.1 Available under license
- 1.179 ubuntu-meta 1.417**
  - 1.179.1 Available under license
- 1.180 paramiko 2.0.0-1ubuntu1.2**
  - 1.180.1 Available under license
- 1.181 socat 1.7.3.2 2ubuntu2**
  - 1.181.1 Available under license
- 1.182 cdebconf 0.213ubuntu1**
  - 1.182.1 Available under license
- 1.183 mpfr 4.0.1-1**

1.183.1 Available under license  
**1.184 commons-compress 1.10**  
1.184.1 Available under license  
**1.185 netcat-openbsd 1.187-1**  
**1.186 webgrease 1.6.0**  
1.186.1 Available under license  
**1.187 jline 2.11**  
**1.188 ntfs-3g 2017.3.23 2ubuntu0.18.04.2**  
1.188.1 Available under license  
**1.189 file 5.32-2ubuntu0.3**  
1.189.1 Available under license  
**1.190 debianutils 4.8.4**  
1.190.1 Available under license  
**1.191 ufw 0.35-5**  
1.191.1 Available under license  
**1.192 python-cryptography 2.1.4 1ubuntu1.2**  
1.192.1 Available under license  
**1.193 alsa-lib 1.1.3 5**  
1.193.1 Available under license  
**1.194 eclipse-core-contenttype 3.4.100**  
**1.195 libsigar 1.6.2**  
1.195.1 Available under license  
**1.196 commons-codec 1.10**  
1.196.1 Available under license  
**1.197 libxml 2.9.4+dfsg1 6.1ubuntu1.2**  
1.197.1 Available under license  
**1.198 gconf 3.2.6 3ubuntu6**  
1.198.1 Available under license  
**1.199 eclipse-equinox-common 3.6.0**  
**1.200 audit 2.8.2 1ubuntu1**  
1.200.1 Available under license  
**1.201 parboiled-scala 1.1.7**  
1.201.1 Available under license  
**1.202 snappy-java 1.1.7.1**  
**1.203 xz 5.2.2 1.3**  
1.203.1 Available under license  
**1.204 animal-sniffer-annotation 1.14**  
**1.205 lua 5.2.4-1.1build1**  
**1.206 libartlgpl 2.3.21-3**

- 1.206.1 Available under license
- 1.207 lyra 0.5.2**
- 1.208 libfile-copy-recursive-perl 0.40 1**
  - 1.208.1 Available under license
- 1.209 jnr-enxio 0.16**
- 1.210 upstart 1.13.2-0ubuntu21**
  - 1.210.1 Available under license
- 1.211 gcr 3.18.0-1ubuntu1**
  - 1.211.1 Available under license
- 1.212 cg-manager 0.39-2ubuntu5**
  - 1.212.1 Available under license
- 1.213 java 0.68ubuntu1~18.04.1**
  - 1.213.1 Available under license
- 1.214 libpng 1.6.34 1ubuntu0.18.04.2**
  - 1.214.1 Available under license
- 1.215 jaxen 1.1.4**
  - 1.215.1 Available under license
- 1.216 mime-support 3.60ubuntu1**
  - 1.216.1 Available under license
- 1.217 paranamer 2.3**
- 1.218 antlr 3.5.0.2**
  - 1.218.1 Available under license
- 1.219 gcc 5.4.0 6ubuntu1~16.04.10**
  - 1.219.1 Available under license
- 1.220 libevent 2.1.8-stable 4build1**
  - 1.220.1 Available under license
- 1.221 xml-apis 1.4.01**
  - 1.221.1 Available under license
- 1.222 slf4j 1.7.25**
  - 1.222.1 Available under license
- 1.223 installation-report 2.62ubuntu1**
  - 1.223.1 Available under license
- 1.224 libglade 2.6.4-2**
  - 1.224.1 Available under license
- 1.225 mod-mono 3.13-0xamarin4+ubuntu1804b1**
  - 1.225.1 Available under license
- 1.226 httpcomponents-core 4.4.9**
  - 1.226.1 Available under license
- 1.227 ubuntu-release-upgrader 18.04.17**

1.227.1 Available under license

**1.228 avro 1.7.7**

1.228.1 Available under license

**1.229 datatype 1.4.01**

**1.230 systemd 237 3ubuntu10.29**

1.230.1 Available under license

**1.231 python 2.7.15 4ubuntu4~18.04.2**

1.231.1 Available under license

**1.232 texinfo 6.5.0.dfsg.1-2**

1.232.1 Available under license

**1.233 parted 2.3-19ubuntu1.14.04.1**

1.233.1 Available under license

**1.234 giflib 5.1.4 2ubuntu0.1**

1.234.1 Available under license

**1.235 geoip-database 20180315-1**

**1.236 hostname 3.20**

1.236.1 Available under license

**1.237 attr 2.4.47 2build1**

1.237.1 Available under license

**1.238 dosfs-tools 4.1 1**

1.238.1 Available under license

**1.239 vim 8.0.1453-1ubuntu1.1**

1.239.1 Available under license

**1.240 libx11 1.6.4-3ubuntu0.1**

1.240.1 Available under license

**1.241 libpipeline 1.5.0-1**

1.241.1 Available under license

**1.242 netkit-ftp 0.17-34**

**1.243 snmp-4j 2.5.11**

**1.244 kafka-clients 0.8.2.2**

1.244.1 Available under license

**1.245 libxfixes 5.0.3 1**

1.245.1 Available under license

**1.246 netty 4.1.18**

1.246.1 Available under license

**1.247 libsemanage 2.7-2build2**

1.247.1 Available under license

**1.248 libassuan 2.5.1 2**

1.248.1 Available under license

- 1.249 avahi 0.7-3.1ubuntu1.2**
  - 1.249.1 Available under license
- 1.250 fuse 2.9.7-1ubuntu1**
  - 1.250.1 Available under license
- 1.251 newtonsoft-json 12.0.1**
  - 1.251.1 Available under license
- 1.252 readline 4.4.18-2ubuntu1**
  - 1.252.1 Available under license
- 1.253 libcroco 0.6.12-2**
  - 1.253.1 Available under license
- 1.254 dhcp 4.3.5-3ubuntu7.1**
  - 1.254.1 Available under license
- 1.255 pythonurllib 1.22-1ubuntu0.18.04.1**
  - 1.255.1 Available under license
- 1.256 error-prone-annotations 2.0.18**
- 1.257 python-ipaddress 1.0.17-1**
  - 1.257.1 Available under license
- 1.258 libxrandr 1.5.1-1**
  - 1.258.1 Available under license
- 1.259 libxi 1.7.9-1**
  - 1.259.1 Available under license
- 1.260 geo-ip 2.9.0**
  - 1.260.1 Available under license
- 1.261 udev 237-3ubuntu10.33**
  - 1.261.1 Available under license
- 1.262 libdatrie 0.2.10-7**
  - 1.262.1 Available under license
- 1.263 lz4 0.0~r131-2ubuntu3**
  - 1.263.1 Available under license
- 1.264 neko-html 1.9.21**
  - 1.264.1 Available under license
- 1.265 mapdb 1.0.7**
  - 1.265.1 Available under license
- 1.266 grub-gfxpayload-lists 0.7**
  - 1.266.1 Available under license
- 1.267 libice 1.0.9-2**
  - 1.267.1 Available under license
- 1.268 iproute 4.15.0-2ubuntu1**
  - 1.268.1 Available under license

- 1.269 python-setuptools 39.0.1 2**
  - 1.269.1 Available under license
- 1.270 klibc 2.0.4 9ubuntu2**
  - 1.270.1 Available under license
- 1.271 linux-kernel 4.15.0-43.46**
  - 1.271.1 Available under license
- 1.272 novell-directory-ldap 2.2.1.0**
  - 1.272.1 Available under license
- 1.273 httpcomponents-client 4.5.5**
  - 1.273.1 Available under license
- 1.274 npth 1.5-3**
  - 1.274.1 Available under license
- 1.275 libedit 3.1-20170329-1**
  - 1.275.1 Available under license
- 1.276 xml-core 0.18**
  - 1.276.1 Available under license
- 1.277 apache-servicemix-bundles-jaxen 1.1.4\_2**
  - 1.277.1 Available under license
- 1.278 akka-actor 2.3.12**
  - 1.278.1 Available under license
- 1.279 jackson 2.9.10**
  - 1.279.1 Available under license
- 1.280 gnu-tls 3.5.18 1ubuntu1.1**
  - 1.280.1 Available under license
- 1.281 makedev 2.3.1-93ubuntu1**
  - 1.281.1 Available under license
- 1.282 snappy-java 1.1.0.1**
  - 1.282.1 Available under license
- 1.283 libbsd 0.8.7-1**
- 1.284 slf4j 1.7.23**
- 1.285 libpod-latex-perl 0.61-1**
  - 1.285.1 Available under license
- 1.286 hd-parm 9.54+ds-1**
  - 1.286.1 Available under license
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Upstream-Contact: James Antill <james@and.org>

Source: <http://www.and.org/ustr/>

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## 1.8 python-cffi 1.11.5 1

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## 1.9 glib 2.56.4 Oubuntu0.18.04.5

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## 1.10 libsigar 1.6.4

## 1.11 google-java-format 1.1

## 1.12 libxcb 1.13-1

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## 1.13 json-c 0.12.1 1.3

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## 1.14 gettext 0.19.8.1 6ubuntu0.3

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Version 2.1, February 1999

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception,

the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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@center Version 2.1, February 1999

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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.)

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@subheading END OF TERMS AND CONDITIONS

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@smallexample

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## 1.18 markupsafe 1.0 1build1

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## 1.19 chardet 3.0.4 1

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Upstream-Name: chardet

Upstream-Contact: Daniel Blanchard <dan.blanchard@gmail.com>

Source: <https://pypi.python.org/pypi/chardet>

Files: \*

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

That's all there is to it!

# 1.25 popularity-contest 1.66ubuntu1

## 1.25.1 Available under license :

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```
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The perl version of the popularity-contest script is

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## 1.26 jnr-unixsocket 0.17

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Send patches to `sysvinit-devel@nongnu.org`

The of the start-stop-daemon

- \* A rewrite of the original Debian's start-stop-daemon Perl script
- \* in C (faster - it is executed many times during system startup).
- \*
- \* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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\* m4/ax\_func\_which\_gethostbyname\_r.m4

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

## HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

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

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

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

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

subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(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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gpl(7), fsf-funding(7).

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library

facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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

<one line to give the library'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.

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:

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

That's all there is to it!  
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@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

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@center Version 2.1, February 1999

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@appendixsubsec Preamble

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

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

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

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that



any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a

``work based on the library" and a ``work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end ifinfo

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

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The modified work must itself be a software library.

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

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

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

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

@end enumerate

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,

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

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

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

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

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

compelled to copy the source along with the object code.

#### @item

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

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

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

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

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

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@iftex

@heading END OF TERMS AND CONDITIONS

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@ifinfo

@center END OF TERMS AND CONDITIONS

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@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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

@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
```

That's all there is to it!

## 1.32 fontconfig 2.12.6 0ubuntu2

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# 1.33 gtk 3.22.30-1ubuntu1

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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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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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## 1.37 config 1.2.1

## 1.38 linux-signed 4.15.0-43.46



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## 1.39 libfastjson 0.99.8-2

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## 1.40 unsafe-fences 1.0

## 1.41 eclipse 3.7.1.R37x\_v20110808-1106

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## 1.43 six 1.11.0 2

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## 1.45 dash 0.5.8 2.10

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## 1.46 zlib 1.2.11.dfsg 0ubuntu2

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## 1.47 libtext-iconv-perl 1.7-5build6

## 1.48 Isof 4.89+dfsg-0.1

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## 1.50 diffutils 3.6 1

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Version 3, 29 June 2007

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# 1.51 commons-pool 2.4.2

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## 1.52 patch 2.7.6 2ubuntu1.1

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Version 3, 29 June 2007

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# 1.58 python-idna 2.6-1

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## 1.61 libaio 5.7.25 Oubuntu0.18.04.2

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# 1.63 usbutils 007-4build1

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```
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```

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```
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```

```
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Ty Coon, President of Vice
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## 1.67 libgnomeui 2.24.5-3.1

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This package was debianized by Christian Marillat <marillat@debian.org> on Mon, 19 Nov 2001 20:13:59 +0100.

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## 1.68 libcap 237 3ubuntu10.29

### 1.68.1 Available under license :

From: Michael Biebl <biebl@debian.org>  
Date: Sun, 17 Dec 2017 00:31:20 +0100  
Subject: Revert "udev-rules: Permission changes for /dev/dri/renderD\*"

This would introduce a new system group "render". As the name is rather generic, this needs further discussion first, so revert this change for now.

This reverts commit 4e15a7343cb389e97f3eb4f49699161862d8b8b2.

---

```
meson.build          | 2 --
meson_options.txt    | 2 --
rules/50-udev-default.rules.in | 5 +----
src/login/70-uaccess.rules | 2 +-
4 files changed, 2 insertions(+), 9 deletions(-)
```

```
diff --git a/meson.build b/meson.build
```

```
index c734561..b9e59ec 100644
```

```
--- a/meson.build
```

```
+++ b/meson.build
```

```
@@ -753,7 +753,6 @@ if get_option('wheel-group')
```

```
endif
```

```
substs.set('DEV_KVM_MODE', get_option('dev-kvm-mode'))
```

```
-substs.set('GROUP_RENDER_MODE', get_option('group-render-mode'))
```

```
kill_user_processes = get_option('default-kill-user-processes')
```

```
conf.set10('KILL_USER_PROCESSES', kill_user_processes)
```

```
@@ -2741,7 +2740,6 @@ status = [
```

```
    'minimum container UID base:    @0@'.format(container_uid_base_min),
```

```
    'maximum container UID base:    @0@'.format(container_uid_base_max),
```

```
    '/dev/kvm access mode:          @0@'.format(get_option('dev-kvm-mode')),
```

```
-    'render group access mode:     @0@'.format(get_option('group-render-mode')),
```

```
    'certificate root directory:    @0@'.format(get_option('certificate-root')),
```

```
    'support URL:                  @0@'.format(support_url),
```

```

'nobody user name:          @0@'.format(nobody_user),
diff --git a/meson_options.txt b/meson_options.txt
index 39822d6..b1d035f 100644
--- a/meson_options.txt
+++ b/meson_options.txt
@@ -177,8 +177,6 @@ option('nobody-group', type : 'string',
    value : 'nobody')
option('dev-kvm-mode', type : 'string', value : '0666',
    description : '/dev/kvm access mode')
-option('group-render-mode', type : 'string', value : '0666',
-    description : 'Access mode for devices owned by render group (e.g. /dev/dri/renderD*, /dev/kfd).')
option('default-kill-user-processes', type : 'boolean',
    description : 'the default value for KillUserProcesses= setting')
option('gshadow', type : 'boolean',
diff --git a/rules/50-udev-default.rules.in b/rules/50-udev-default.rules.in
index bd4c215..549a4f0 100644
--- a/rules/50-udev-default.rules.in
+++ b/rules/50-udev-default.rules.in
@@ -31,14 +31,11 @@ SUBSYSTEM=="input", KERNEL=="js[0-9]*", MODE="0664"

SUBSYSTEM=="video4linux", GROUP="video"
SUBSYSTEM=="graphics", GROUP="video"
-SUBSYSTEM=="drm", KERNEL!="renderD*", GROUP="video"
+SUBSYSTEM=="drm", GROUP="video"
SUBSYSTEM=="dvb", GROUP="video"
SUBSYSTEM=="media", GROUP="video"
SUBSYSTEM=="cec", GROUP="video"

-SUBSYSTEM=="drm", KERNEL=="renderD*", GROUP="render", MODE="@GROUP_RENDER_MODE@"
-SUBSYSTEM=="kfd", GROUP="render", MODE="@GROUP_RENDER_MODE@"
-
SUBSYSTEM=="sound", GROUP="audio", \
    OPTIONS+="static_node=snd/seq", OPTIONS+="static_node=snd/timer"

diff --git a/src/login/70-uaccess.rules b/src/login/70-uaccess.rules
index f2c838f..f3a2e66 100644
--- a/src/login/70-uaccess.rules
+++ b/src/login/70-uaccess.rules
@@ -45,7 +45,7 @@ SUBSYSTEM=="firewire", ATTR{units}=="*0x00a02d:0x010001*", TAG+="uaccess"
SUBSYSTEM=="firewire", ATTR{units}=="*0x00a02d:0x014001*", TAG+="uaccess"

# DRI video devices
-SUBSYSTEM=="drm", KERNEL=="card*", TAG+="uaccess"
+SUBSYSTEM=="drm", KERNEL=="card*|renderD*", TAG+="uaccess"

# smart-card readers
ENV{ID_SMARTCARD_READER}=="?*", TAG+="uaccess"

```

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src/udev/udevadm-hwdb.c

src/udev/udev-builtin.c

src/udev/udev-builtin-net\_id.c

src/udev/udev-builtin-net\_setup\_link.c  
src/udev/udev-builtin-hwdb.c  
src/udev/udev-builtin-btrfs.c  
src/udev/udev-builtin-keyboard.c  
src/udev/net/link-config.h  
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Written by: Philip Hazel  
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## 1.74 json-c 0.11 4ubuntu2

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## 1.75 udev 237 3ubuntu10.29

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```

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## 1.81 sapientguardian-mysql-data 6.9.8

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## 1.82 libmnl 1.0.4 2

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- \* Slicing support for repeated scalar fields for the Python API.

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- \* MS Visual Studio error format option.
- \* Detect unordered\_map in stl\_hash.m4.

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- \* gzip/zlib I/O support.

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- \* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
- \* Added generation of field number constants.

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- \* Fixed initialization ordering problem in logging code.

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- \* Small patch improving performance of in Python serialization.

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- \* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

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- \* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

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- \* HPUX support.

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- \* Detect whether zlib is new enough in configure script.
- \* Fixes for Solaris 10 32/64-bit confusion.

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- \* Optimize Java serialization code when writing a small message to a stream.
- \* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- \* Clean up some Java warnings.
- \* Fix bug with permanent callbacks that delete themselves when run.

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- \* Added CodedInputStream.getTotalBytesRead().

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- \* Fixed m4/acx\_pthread.m4 problem for some Linux distributions.

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- \* Fixed detection of sched\_yield on Solaris.
- \* Added atomicops for Solaris

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## 1.88 pcre 2.56.4 0ubuntu0.18.04.5

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title="Chapter1.Status" /><link rel="prev" href="status.html" title="Chapter1.Status" /><link rel="next"
href="bugs.html" title="Bugs" /></head><body><div class="navheader"><table width="100%"
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href="bugs.html">Next</a></td></tr></table><hr /></div><div class="section"><div
class="titlepage"><div><div><h2 class="title" style="clear: both"><a
```

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```

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```

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- ```
*/
```

By plainly marking modifications, something along the lines of adding to each



file that has been changed a "Modified by Foo Bar" line underneath the "Written by" line would be adequate.  
/\* Definitions for BSD assembler syntax for Intel 386 (actually AT&T syntax for insns and operands, adapted to BSD conventions for symbol names and debugging.)  
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/\* Use the Sequent Symmetry assembler syntax. \*/

/\* Define the syntax of pseudo-ops, labels and comments. \*/

/\* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.'s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu \*/

#define LPREFIX "L"

/\* Assembler pseudos to introduce constants of various size. \*/

#define ASM\_BYTE "\t.byte\t"

#define ASM\_SHORT "\t.word\t"

#define ASM\_LONG "\t.long\t"

#define ASM\_QUAD "\t.quad\t" /\* Should not be used for 32bit compilation. \*/

/\* This was suggested, but it shouldn't be right for DBX output. -- RMS

#define ASM\_OUTPUT\_SOURCE\_FILENAME(FILE, NAME) \*/

/\* Define the syntax of labels and symbol definitions/declarations. \*/

/\* This is how to output an assembler line that says to advance the location counter by SIZE bytes. \*/

```

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
    fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
   to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
    ( fputs (".comm ", (FILE)), \
      assemble_name ((FILE), (NAME)), \
      fprintf ((FILE), "%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
   to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
    ( fputs (".lcomm ", (FILE)), \
      assemble_name ((FILE), (NAME)), \
      fprintf ((FILE), "%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
    ( fputs (".lcomm ", (FILE)), \
      assemble_name ((FILE), (NAME)), \
      fprintf ((FILE), "%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
   that says to advance the location counter
   to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
    if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
   the symbol_ref name of an internal numbered label where
   PREFIX is the class of label and NUM is the number within the class.
   This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
    sprintf ((BUF), "%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

```

/\* Sequent has some changes in the format of DBX symbols. \*/

#define DBX\_NO\_XREFS 1

/\* Don't split DBX symbols into continuations. \*/

#define DBX\_CONTIN\_LENGTH 0

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winsup\testsuite\winsup.api\semtest.c  
winsup\testsuite\winsup.api\shmttest.c
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winsup\cygserver\sysv\_shm.cc

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Version 3.1, 31 March 2009

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```
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#
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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
```

```

#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

```

```

import os
import re
import sys
import time
import subprocess

```

```

class Errors:

```

```

    def __init__(self):
        self.num_errors = 0

```

```

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
            sys.stderr.write(string + '\n')
            self.num_errors += 1

```

```

    def ok(self):
        return self.num_errors == 0

```

```

class GenericFilter:

```

```

    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

```

```

        self.skip_files |= set([
            # Skip licence files.
            'COPYING',

```



```

'COPYING.LIB',
'COPYING3',
'COPYING3.LIB',
'LICENSE',
'fdl.texi',
'gpl_v3.texi',
'fdl-1.3.xml',
'gpl-3.0.xml',

# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'ltoptions.m4',
'letsugar.m4',
'ltversion.m4',
'lt~obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
)

```

```

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')

    return None

```

```

def skip_file (self, dir, filename):

```

```

if filename in self.skip_files:
    return True

(base, extension) = os.path.splitext (os.path.join (dir, filename))
if extension in self.skip_extensions:
    return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists (base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True

return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

    # Characters in a range of years. Include '.' for typos.
    ranges = '[0-9](?:[-0-9.,\s])\s+and\s+[0-9]'

    # Non-whitespace characters in a copyright holder's name.

```

```

name = '[\w.-]'

# Matches one year.
self.year_re = re.compile ('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile (ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile (
    # 1: 'Copyright (C)', etc.
    '[Cc]opyright'
    '|[Cc]opyright\s+\([Cc]\)'
    '|[Cc]opyright\s+%s'
    '|[Cc]opyright\s+&copy;'
    '|[Cc]opyright\s+@copyright{ }'
    '|copyright = u\"
    '|@set\s+copyright[\w-]+)'

    # 2: the years. Include the whitespace in the year, so that
    # we can remove any excess.
    '\s*(?:' + ranges + ',?'
    '@value\{[^\{]*\})\s*)'

    # 3: 'by ', if used
    '(by\s+)?'

    # 4: the copyright holder. Don't allow multiple consecutive
    # spaces, so that right-margin gloss doesn't get caught
    # (e.g. gnat_ugn.texti).
    '(' + name + '(?:\s? + name + ')*?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
                                       re.IGNORECASE)
self.comment_re = re.compile('#+[*]+;+|%+|/+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.

```

```

self.separator = ''

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find ( ' ' )
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find ( ' ' , index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years

```

```

(min_year, max_year) = self.year_range (years)

# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file (dir, filename):
    max_year = max (max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != "":
            self.errors.report (pathname,
                                'trailing characters in @set: '
                                + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete (match):
            try:
                next_line = file.next()
            except StopIteration:
                break

        # If the next line doesn't look like a proper continuation,

```

```

# assume that what we've got is complete.
continuation = self.strip_continuation (next_line)
if not self.continuation_re.match (continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
                        'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
           + canon_form
           + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

# Update the copyright years.
years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)

```

```

except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
        + (' if intro.startswith ('copyright = ') else ' ')
        + canon_form + self.separator
        + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += '(C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    mode = None
    with open (pathname, 'r') as file:
        prev = None
        mode = os.fstat (file.fileno()).st_mode
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
  file, line, match)
                        (this_changed, line, next_line) = res

```

```

        changed = changed or this_changed

        # Check for copyright lines that might have slipped by.
        elif self.other_copyright_re.search (line):
            self.errors.report (pathname,
                                'unrecognised copyright: %s'
                                % line.strip())
        lines.append (line)
        line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
        os.fchmod (file.fileno(), mode)
    if self.use_quilt:
        subprocess.call (['quilt', 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s\n'
                                   % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',

```



```

        self.o_quilt)
    self.add_option('--this-year', 'Add the current year to every notice',
        self.o_this_year)

def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n'
        'Options:\n' % sys.argv[0])
    format = '%-15s %s\n'
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('\nDirectories:\n')

    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()

```

```

else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, ")
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith (canon_dir):
                count += 1
                self.copyright.process_tree (dir, filter)
        if count == 0:
            self.errors.report (None, 'unrecognised directory: '
                                + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

```

#-----

```

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

```

```

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

```

```

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
        return GenericFilter.skip_file (self, dir, filename)

```

```

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

```

```

        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])

```

```

        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

```

```

self.skip_extensions |= set ([
    # Maintained by the translation project.
    '.po',

    # Automatically-generated.
    '.pot',
])

self.fossilised_files |= set ([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Don't change the tests, which could be woened by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        # Similarly params/README.
        if filename == 'README' and os.path.basename (dir) == 'params':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.

```

```

        '.po',

        # Automatically-generated.
        '.pot',
    ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// \\\(C\\\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

```

```

    canon_fsf = 'Free Software Foundation, Inc.'
    self.add_package_author ('Free Software Foundation', canon_fsf)
    self.add_package_author ('Free Software Foundation.', canon_fsf)
    self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
    self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
    self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author ('The Free Software Foundation', canon_fsf)
    self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author ('Software Foundation, Inc.', canon_fsf)

```

```

    self.add_external_author ('ARM')
    self.add_external_author ('AdaCore')
    self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
    self.add_external_author ('Cavium Networks.')
    self.add_external_author ('Faraday Technology Corp.')
    self.add_external_author ('Florida State University')
    self.add_external_author ('Greg Colvin and Beman Dawes.')
    self.add_external_author ('Hewlett-Packard Company')
    self.add_external_author ('Intel Corporation')
    self.add_external_author ('Information Technology Industry Council.')
    self.add_external_author ('James Theiler, Brian Gough')
    self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
    self.add_external_author ('National Research Council of Canada.')
    self.add_external_author ('NVIDIA Corporation')
    self.add_external_author ('Peter Dimov and Multi Media Ltd.')
    self.add_external_author ('Peter Dimov')
    self.add_external_author ('Pipeline Associates, Inc.')
    self.add_external_author ('Regents of the University of California.')
    self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
    self.add_external_author ('Silicon Graphics')
    self.add_external_author ('Stephen L. Moshier')
    self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
    self.add_external_author ('The Go Authors. All rights reserved.')
    self.add_external_author ('The Go Authors. All rights reserved.')
    self.add_external_author ('The Go Authors.')
    self.add_external_author ('The Regents of the University of California.')
    self.add_external_author ('Unicode, Inc.')
    self.add_external_author ('University of Toronto.')

```

```

class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # Boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.

```

```
self.add_dir ('fixincludes')
self.add_dir ('gcc', GCCFilter())
self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
self.add_dir ('gnattools')
self.add_dir ('gotools')
self.add_dir ('include')
# intl is imported from upstream.
self.add_dir ('libada')
self.add_dir ('libatomic')
self.add_dir ('libbacktrace')
self.add_dir ('libcc1')
# libcilkrts is imported from upstream.
self.add_dir ('libcpp', LibCppFilter())
self.add_dir ('libdecnumber')
# libffi is imported from upstream.
self.add_dir ('libgcc', LibGCCFilter())
self.add_dir ('libgfortran')
# libgo is imported from upstream.
self.add_dir ('libgomp')
self.add_dir ('libhsail-rt')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libobjc')
# liboffloadmic is imported from upstream.
self.add_dir ('libquadmath')
# libsanitizer is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('libvtv')
self.add_dir ('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.
```

```
self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
```

```
'libobjc',  
'libssp',  
'libstdc++-v3',  
'libvtv',  
'lto-plugin',  
]
```

GCCCmdLine().main()

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```
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This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
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```

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Version 3, 29 June 2007

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Preamble

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</para>

<para>

For the developers and authors protection, the <acronym>GPL</acronym> clearly explains that there is no warranty for this free software. For both users and authors sake, the <acronym>GPL</acronym> requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<bridgehead>

TERMS AND CONDITIONS

</bridgehead>

<bridgehead xml:id="gpl-3-definitions" renderas="sect1">

0. Definitions.

</bridgehead>

<para>

This License refers to version 3 of the <acronym>GNU</acronym> General Public License.

</para>

<para>

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

</para>

<para>

The Program refers to any copyrightable work licensed under this License. Each licensee is addressed as you.

Licensees and recipients may be individuals or organizations.

</para>

<para>

To modify a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a modified version of the earlier work or a work based on the

earlier work.

</para>

<para>

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

</para>

<para>

To propagate a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

</para>

<para>

To convey a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

</para>

<para>

An interactive user interface displays Appropriate Legal Notices to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

</para>

<bridgehead xml:id="SourceCode" renderas="sect1">

1. Source Code.

</bridgehead>

<para>

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

</para>

<para>

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

</para>

<para>

The System Libraries of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or

to implement a Standard Interface for which an implementation is available to the public in source code form. A Major Component, in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

</para>

<para>

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

</para>

<para>

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

</para>

<para>

The Corresponding Source for a work in source code form is that same work.

</para>

<bridgehead xml:id="BasicPermissions" renderas="sect1">

2. Basic Permissions.

</bridgehead>

<para>

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

</para>

<para>

You may make, run and propagate covered works that you do not convey, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on

your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

</para>

<para>

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

</para>

<bridgehead xml:id="Protecting" renderas="sect1">

3. Protecting Users Legal Rights From Anti-Circumvention Law.

</bridgehead>

<para>

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

</para>

<para>

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the works users, your or third parties legal rights to forbid circumvention of technological measures.

</para>

<bridgehead xml:id="ConveyingVerbatim" renderas="sect1">

4. Conveying Verbatim Copies.

</bridgehead>

<para>

You may convey verbatim copies of the Programs source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

</para>

<para>

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

</para>

<bridgehead xml:id="ConveyingModified" renderas="sect1">

5. Conveying Modified Source Versions.

</bridgehead>

<para>

You may convey a work based on the Program, or the modifications to produce

it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

The work must carry prominent notices stating that you modified it, and giving a relevant date.

</para>

</listitem>

<listitem>

<para>

The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to keep intact all notices.

</para>

</listitem>

<listitem>

<para>

You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

</para>

</listitem>

<listitem>

<para>

If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

</para>

</listitem>

</orderedlist>

<para>

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an aggregate if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

</para>

<bridgehead xml:id="ConveyingNonSource" renderas="sect1">

## 6. Conveying Non-Source Forms.

</bridgehead>

<para>

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

</orderedlist>

<para>

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

</para>

<para>

A User Product is either (1) a consumer product, which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, normally used refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

</para>

<para>

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

</para>

<para>

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product

is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in <acronym>ROM</acronym>).

</para>

<para>

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

</para>

<para>

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

</para>

<bridgehead xml:id="AdditionalTerms" renderas="sect1">

7. Additional Terms.

</bridgehead>

<para>

Additional permissions are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

</para>

<para>

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

</para>

<para>

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that

material) supplement the terms of this License with terms:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

</para>

</listitem>

<listitem>

<para>

Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

</para>

</listitem>

<listitem>

<para>

Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

</para>

</listitem>

<listitem>

<para>

Limiting the use for publicity purposes of names of licensors or authors of the material; or

</para>

</listitem>

<listitem>

<para>

Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

</para>

</listitem>

<listitem>

<para>

Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

</para>

</listitem>

</orderedlist>

<para>

All other non-permissive additional terms are considered further restrictions within the meaning of section 10. If the Program as

you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

</para>

<para>

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

</para>

<para>

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

</para>

<bridgehead xml:id="gpl-3-termination" renderas="sect1">

8. Termination.

</bridgehead>

<para>

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

</para>

<para>

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

</para>

<para>

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

</para>

<para>

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same

material under section 10.

</para>

<bridgehead xml:id="AcceptanceNotRequired" renderas="sect1">

9. Acceptance Not Required for Having Copies.

</bridgehead>

<para>

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

</para>

<bridgehead xml:id="AutomaticDownstream" renderas="sect1">

10. Automatic Licensing of Downstream Recipients.

</bridgehead>

<para>

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

</para>

<para>

An entity transaction is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

</para>

<para>

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

</para>

<bridgehead xml:id="Patents" renderas="sect1">

11. Patents.

</bridgehead>

<para>

A contributor is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributors contributor version.

</para>

<para>

A contributors essential patent claims are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, control includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

</para>

<para>

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributors essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

</para>

<para>

In the following three paragraphs, a patent license is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To grant such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

</para>

<para>

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. Knowingly relying means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipients use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

</para>

<para>

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work

authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

</para>

<para>

A patent license is discriminatory if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

</para>

<para>

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

</para>

<bridgehead xml:id="NoSurrender" renderas="sect1">

12. No Surrender of Others Freedom.

</bridgehead>

<para>

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

</para>

<bridgehead xml:id="UsedWithAGPL" renderas="sect1">

13. Use with the <acronym>GNU</acronym> Affero General Public License.

</bridgehead>

<para>

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the <acronym>GNU</acronym> Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the <acronym>GNU</acronym> Affero General Public License,

section 13, concerning interaction through a network will apply to the combination as such.

</para>

<bridgehead xml:id="RevisedVersions" renderas="sect1">

14. Revised Versions of this License.

</bridgehead>

<para>

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

</para>

<para>

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

</para>

<para>

If the Program specifies that a proxy can decide which future versions of the <acronym>GNU</acronym> General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

</para>

<para>

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

</para>

<bridgehead xml:id="WarrantyDisclaimer" renderas="sect1">

15. Disclaimer of Warranty.

</bridgehead>

<para>

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

</para>

<bridgehead xml:id="LiabilityLimitation" renderas="sect1">

16. Limitation of Liability.



</bridgehead>

<para>

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

</para>

<bridgehead xml:id="InterpretationSecs1516" renderas="sect1">

17. Interpretation of Sections 15 and 16.

</bridgehead>

<para>

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

</para>

<bridgehead>

END OF TERMS AND CONDITIONS

</bridgehead>

<bridgehead xml:id="HowToApply" renderas="sect1">

How to Apply These Terms to Your New Programs

</bridgehead>

<para>

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.

</para>

<para>

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

</para>

<screen>

<replaceable>one line to give the programs name and a brief idea of what it does.</replaceable>

Copyright (C) <replaceable>year</replaceable> <replaceable>name of author</replaceable>

This program is free software: you can redistribute it and/or modify it under the terms of the <acronym>GNU</acronym> General Public License as published by the Free Software Foundation, either version 3 of the License, or

(at your option) any later version.

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

You should have received a copy of the <acronym>GNU</acronym> General Public License along with this program. If not, see <link xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</link>.

</screen>

<para>

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

</para>

<para>

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

</para>

<screen>

<replaceable>program</replaceable> Copyright (C) <replaceable>year</replaceable> <replaceable>name of author</replaceable>

This program comes with ABSOLUTELY NO WARRANTY; for details type <literal>show w</literal>.

This is free software, and you are welcome to redistribute it under certain conditions; type <literal>show c</literal> for details.

</screen>

<para>

The hypothetical commands <literal>show w</literal> and <literal>show c</literal> should show the appropriate parts of the General Public License. Of course, your programs commands might be different; for a GUI interface, you would use an about box.

</para>

<para>

You should also get your employer (if you work as a programmer) or school, if any, to sign a copyright disclaimer for the program, if necessary. For more information on this, and how to apply and follow the <acronym>GNU</acronym> <acronym>GPL</acronym>, see <link xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</link>.

</para>

<para>

The <acronym>GNU</acronym> 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 <acronym>GNU</acronym> Lesser General Public License instead of this License. But first, please read <link xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="http://www.gnu.org/philosophy/why-not-lgpl.html">http://www.gnu.org/philosophy/why-not-lgpl.html</link>.

```
</para>
</appendix>
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//OASIS//DTD DocBook V4.5//EN"
"http://www.oasis-open.org/docbook/xml/4.5/docbookx.dtd">
<!-- faq-copyright.xml -->

<qandadiv id="faq.copyright">
<title>Copyright</title>

<qandaentry id="faq.what.copyright">
<question><para>What are the copyrights?</para></question>

<answer>
<para>Please see <ulink url="http://cygwin.com/licensing.html"/>
for more information about Cygwin copyright and licensing.</para>
</answer>
</qandaentry>
</qandadiv>
```

-----

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

```
-----
.\" Automatically generated by Pod::Man 2.27 (Pod::Simple 3.28)
.\"
.\" Standard preamble:
.\" =====
.de Sp \" Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
..
.de Vb \" Begin verbatim text
.ft CW
.nf
.ne \\$1
..
.de Ve \" End verbatim text
.ft R
.fi
..
.\" Set up some character translations and predefined strings. \*(-- will
.\" give an unbreakable dash, \*(PI will give pi, \*(L\" will give a left
.\" double quote, and \*(R\" will give a right double quote. \*(C+ will
.\" give a nicer C++. Capital omega is used to do unbreakable dashes and
.\" therefore won't be available. \*(C` and \*(C' expand to ` in nroff,
.\" nothing in troff, for use with C<>.
.tr \*(W-
.ds C+ C\v'.1v'h'-1p`s-2+h'-1p'+s0\v'.1v'h'-1p'
.ie n {\
. ds -- \*(W-
. ds PI pi
. if (\n(.H=4u)&(1m=24u) .ds -- \*(W'h'-12u'\*(W'h'-12u'-\" diablo 10 pitch
. if (\n(.H=4u)&(1m=20u) .ds -- \*(W'h'-12u'\*(W'h'-8u'-\" diablo 12 pitch
. ds L" ""
. ds R" ""
. ds C` ""
. ds C' ""
'br\}
```

```

.el{\
. ds -- \\(em\
. ds PI \(*p
. ds L" ``
. ds R" "
. ds C`
. ds C'
"br\}
.\"
.\" Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(.g .ds Aq \{aq
.el .ds Aq '
.\"
.\" If the F register is turned on, we'll generate index entries on stderr for
.\" titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
.\" entries marked with X<> in POD. Of course, you'll have to process the
.\" output yourself in some meaningful fashion.
.\"
.\" Avoid warning from groff about undefined register 'F'.
.de IX
..
.nr rF 0
.if \n(.g .if rF .nr rF 1
.if (\n(rF:(\n(.g==0)) \{
. if \nF \{
. de IX
. tm Index: \\$1\t\\n%\t"\\$2"
..
. if !\nF==2 \{
. nr % 0
. nr F 2
. \}
. \}
.\}
.rr rF
.\"
.\" Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
.\" Fear. Run. Save yourself. No user-serviceable parts.
. \" fudge factors for nroff and troff
.if n \{
. ds #H 0
. ds #V .8m
. ds #F .3m
. ds #[ \f1
. ds #] \fP
.\}
.if t \{
. ds #H ((1u-(\\n(.fu%2u))*13m)

```

```

. ds #V .6m
. ds #F 0
. ds #[ \&
. ds #] \&
.\}
. \" simple accents for nroff and troff
.if n {\
. ds ' \&
. ds ` \&
. ds ^ \&
. ds , \&
. ds ~ ~
. ds /
.\}
.if t {\
. ds ' \|k:h'-(\|n(.wu*8/10-\*(#H)^\|h''\|n:u"
. ds ` \|k:h'-(\|n(.wu*8/10-\*(#H)^\|h''\|n:u'
. ds ^ \|k:h'-(\|n(.wu*10/11-\*(#H)^\|h''\|n:u'
. ds , \|k:h'-(\|n(.wu*8/10)',\|h''\|n:u'
. ds ~ \|k:h'-(\|n(.wu-\*(#H-.1m)^\|h''\|n:u'
. ds / \|k:h'-(\|n(.wu*8/10-\*(#H)^\|z(\|sl|h''\|n:u'
.\}
. \" troff and (daisy-wheel) nroff accents
.ds : \|k:h'-(\|n(.wu*8/10-\*(#H+.1m+\*(#F)\|v'-\*(#V)\|z.\|h'.2m+\*(#F'.\|h''\|n:u'\|v'*\*(#V'
.ds 8 \|h''*\*(#H'(\*(b|h'-'*\*(#H'
.ds o \|k:h'-(\|n(.wu+\|w'(\|de'u-\*(#H)/2u'\|v'-.3n''*\*(#[\|z(\|de\|v'.3n'\|h''\|n:u''*\*(#)
.ds d- \|h''*\*(#H'(\|pd|h'-'|\|w'~'\|u'\|v'-.25m''\|f2(\|hy\|fP\|v'.25m'\|h'-'*\*(#H'
.ds D- D\|k:h'-'|\|w'D'\|u'\|v'-.11m''\|z(\|hy\|v'.11m'\|h''\|n:u'
.ds th \|*\*(#[\|v'.3m''\|s+1I\|s-1\|v'-.3m'\|h'-'(\|w'T'u*2/3)\|s-1o\|s+1\*(#)
.ds Th \|*\*(#[\|s+2I\|s-2\|h'-'|\|w'T'u*3/5'\|v'-.3m'o\|v'.3m''*\*(#)
.ds ae a\|h'-'(\|w'a'u*4/10)'e
.ds Ae A\|h'-'(\|w'A'u*4/10)'E
. \" corrections for vroff
.if v .ds ~ \|k:h'-(\|n(.wu*9/10-\*(#H)\|s-2\|u~\|d\|s+2\|h''\|n:u'
.if v .ds ^ \|k:h'-(\|n(.wu*10/11-\*(#H)\|v'-.4m''^\|v'.4m'\|h''\|n:u'
. \" for low resolution devices (crt and lpr)
.if \|n(.H>23 .if \|n(.V>19 \|
\{\
. ds : e
. ds 8 ss
. ds o a
. ds d- d\|h'-1\|(ga
. ds D- D\|h'-1\|(hy
. ds th \|o'bp'
. ds Th \|o'LP'
. ds ae ae
. ds Ae AE
.\}

```

```

.rm #[ #] #H #V #F C
.\" =====
.\"
.IX Title "GPL 7"
.TH GPL 7 "2018-12-06" "gcc-7.4.0" "GNU"
.\" For nroff, turn off justification. Always turn off hyphenation; it makes
.\" way too many mistakes in technical documents.
.if n .ad l
.nh
.SH "NAME"
gpl \- GNU General Public License
.SH "DESCRIPTION"
.IX Header "DESCRIPTION"
.SS "\s-1GNU\s0 General Public License"
.IX Subsection "GNU General Public License"
.SS "Version 3, 29 June 2007"
.IX Subsection "Version 3, 29 June 2007"
.Vb 1
\& Copyright (c) 2007 Free Software Foundation, Inc. <http://fsf.org/>
\&
\& Everyone is permitted to copy and distribute verbatim copies of this
\& license document, but changing it is not allowed.
.Ve
.SS "Preamble"
.IX Subsection "Preamble"
The \s-1GNU\s0 General Public License is a free, copyleft license for
software and other kinds of works.
.PP
The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the \s-1GNU\s0 General Public License is intended to guarantee your freedom
to share and change all versions of a program\*(-to make sure it remains
free software for all its users. We, the Free Software Foundation,
use the \s-1GNU\s0 General Public License for most of our software; it
applies also to any other work released this way by its authors. You
can apply it to your programs, too.
.PP
When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new
free programs, and that you know you can do these things.
.PP
To protect your rights, we need to prevent others from denying you
these rights or asking you to surrender the rights. Therefore, you
have certain responsibilities if you distribute copies of the
software, or if you modify it: responsibilities to respect the freedom

```

of others.

.PP

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

.PP

Developers that use the \s-1GNU GPL\s0 protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

.PP

For the developers' and authors' protection, the \s-1GPL\s0 clearly explains that there is no warranty for this free software. For both users' and authors' sake, the \s-1GPL\s0 requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

.PP

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the \s-1GPL\s0 to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the \s-1GPL,\s0 as needed to protect the freedom of users.

.PP

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the \s-1GPL\s0 assures that patents cannot be used to render the program non-free.

.PP

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

.SS "\s-1TERMS AND CONDITIONS\s0"

.IX Subsection "TERMS AND CONDITIONS"

.IP "0. Definitions." 4

.IX Item "0. Definitions."

\&\\*(L"This License\\*(R" refers to version 3 of the \s-1GNU\s0 General Public License.

.Sp

\&\\*(L"Copyright\\*(R" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

.Sp



\&\*(L"The Program\\*(R" refers to any copyrightable work licensed under this License. Each licensee is addressed as \\*(L"you\\*(R". \\*(L"Licensees\\*(R" and \&\*(L"recipients\\*(R" may be individuals or organizations.

.Sp

To \\*(L"modify\\*(R" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a \\*(L"modified version\\*(R" of the earlier work or a work \\*(L"based on\\*(R" the earlier work.

.Sp

A \\*(L"covered work\\*(R" means either the unmodified Program or a work based on the Program.

.Sp

To \\*(L"propagate\\*(R" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

.Sp

To \\*(L"convey\\*(R" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

.Sp

An interactive user interface displays \\*(L"Appropriate Legal Notices\\*(R" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

.IP "1. Source Code." 4

.IX Item "1. Source Code."

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

.Sp

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

.Sp

The \\*(L"System Libraries\\*(R" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an

implementation is available to the public in source code form. A  
\&\\*(L"Major Component\\*(R", in this context, means a major essential component  
(kernel, window system, and so on) of the specific operating system  
(if any) on which the executable work runs, or a compiler used to  
produce the work, or an object code interpreter used to run it.

.Sp

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

.Sp

The Corresponding Source need not include anything that users can  
regenerate automatically from other parts of the Corresponding Source.

.Sp

The Corresponding Source for a work in source code form is that same  
work.

.IP "2. Basic Permissions." 4

.IX Item "2. Basic Permissions."

All rights granted under this License are granted for the term of  
copyright on the Program, and are irrevocable provided the stated  
conditions are met. This License explicitly affirms your unlimited  
permission to run the unmodified Program. The output from running a  
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.Sp

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You may convey covered works to others for the sole purpose of having  
them make modifications exclusively for you, or provide you with  
facilities for running those works, provided that you comply with the  
terms of this License in conveying all material for which you do not  
control copyright. Those thus making or running the covered works for  
you must do so exclusively on your behalf, under your direction and  
control, on terms that prohibit them from making any copies of your  
copyrighted material outside their relationship with you.

.Sp

Conveying under any other circumstances is permitted solely under the  
conditions stated below. Sublicensing is not allowed; section 10  
makes it unnecessary.

.IP "3. Protecting Users' Legal Rights From Anti-Circumvention Law." 4

.IX Item "3. Protecting Users' Legal Rights From Anti-Circumvention Law."

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

.Sp

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

.IP "4. Conveying Verbatim Copies." 4

.IX Item "4. Conveying Verbatim Copies."

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

.Sp

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

.IP "5. Conveying Modified Source Versions." 4

.IX Item "5. Conveying Modified Source Versions."

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

.RS 4

.IP "a." 4

.IX Item "a."

The work must carry prominent notices stating that you modified it, and giving a relevant date.

.IP "b." 4

.IX Item "b."

The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "(L)keep intact all notices"(R).

.IP "c." 4

.IX Item "c."

You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will

therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

.IP "d." 4

.IX Item "d."

If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

.RE

.RS 4

.Sp

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an `&*(L"aggregate"*(R` if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

.RE

.IP "6. Conveying Non-Source Forms." 4

.IX Item "6. Conveying Non-Source Forms."

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

.RS 4

.IP "a." 4

.IX Item "a."

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

.IP "b." 4

.IX Item "b."

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

to copy the Corresponding Source from a network server at no charge.

.IP "c." 4

.IX Item "c."

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

.IP "d." 4

.IX Item "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.

.IP "e." 4

.IX Item "e."

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

.RE

.RS 4

.Sp

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

.Sp

A \\*(L)"User Product\\*(R" is either (1) a \\*(L)"consumer product\\*(R", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, \&\\*(L)"normally used\\*(R" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

.Sp

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

.Sp

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in \s-1ROM\s0).

.Sp

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

.Sp

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

.RE

.IP "7. Additional Terms." 4

.IX Item "7. Additional Terms."

\&\\*(L"Additional permissions\\*(R" are terms that supplement the terms of this License by making exceptions from one or more of its conditions.

Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

.Sp

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of

it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

.Sp

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

.RS 4

.IP "a." 4

.IX Item "a."

Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

.IP "b." 4

.IX Item "b."

Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

.IP "c." 4

.IX Item "c."

Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

.IP "d." 4

.IX Item "d."

Limiting the use for publicity purposes of names of licensors or authors of the material; or

.IP "e." 4

.IX Item "e."

Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

.IP "f." 4

.IX Item "f."

Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

.RE

.RS 4

.Sp

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.Vb 2

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.Ve  
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.PP

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.PP

.Vb 4

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```
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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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#### @item

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

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@page

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@smallexample

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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under certain conditions; type `show c' for details.
@end smallexample
```

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

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

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## 1.91 asn1crypto 0.24.0-1

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## 1.92 gobject-introspection 1.56.1-1

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## 1.93 snappy-java 1.1.1.7

## 1.94 gdbm 1.14.1-6

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```
# frozen_string_literal: true  
require 'rubygems/text'
```

```
class Gem::Licenses  
  extend Gem::Text
```

```
  NONSTANDARD = 'Nonstandard'.freeze
```

```
  # Software Package Data Exchange (SPDX) standard open-source software
```

```
  # license identifiers
```

```
  IDENTIFIERS = %w(  
    0BSD
```

```
    AAL
```

```
    ADSL
```

```
    AFL-1.1
```

```
    AFL-1.2
```

```
    AFL-2.0
```

```
    AFL-2.1
```

```
    AFL-3.0
```

```
    AGPL-1.0
```



AGPL-3.0  
AMDPLPA  
AML  
AMPAS  
ANTLR-PD  
APAFML  
APL-1.0  
APSL-1.0  
APSL-1.1  
APSL-1.2  
APSL-2.0  
Abstyles  
Adobe-2006  
Adobe-Glyph  
Afmparse  
Aladdin  
Apache-1.0  
Apache-1.1  
Apache-2.0  
Artistic-1.0  
Artistic-1.0-Perl  
Artistic-1.0-cl8  
Artistic-2.0  
BSD-2-Clause  
BSD-2-Clause-FreeBSD  
BSD-2-Clause-NetBSD  
BSD-3-Clause  
BSD-3-Clause-Attribution  
BSD-3-Clause-Clear  
BSD-3-Clause-LBNL  
BSD-4-Clause  
BSD-4-Clause-UC  
BSD-Protection  
BSL-1.0  
Bahyph  
Barr  
Beerware  
BitTorrent-1.0  
BitTorrent-1.1  
Borceux  
CATOSL-1.1  
CC-BY-1.0  
CC-BY-2.0  
CC-BY-2.5  
CC-BY-3.0  
CC-BY-4.0  
CC-BY-NC-1.0  
CC-BY-NC-2.0

CC-BY-NC-2.5  
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CC-BY-NC-4.0  
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CC-BY-NC-ND-2.0  
CC-BY-NC-ND-2.5  
CC-BY-NC-ND-3.0  
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CC-BY-NC-SA-2.5  
CC-BY-NC-SA-3.0  
CC-BY-NC-SA-4.0  
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CC-BY-ND-2.5  
CC-BY-ND-3.0  
CC-BY-ND-4.0  
CC-BY-SA-1.0  
CC-BY-SA-2.0  
CC-BY-SA-2.5  
CC-BY-SA-3.0  
CC-BY-SA-4.0  
CC0-1.0  
CDDL-1.0  
CDDL-1.1  
CECILL-1.0  
CECILL-1.1  
CECILL-2.0  
CECILL-2.1  
CECILL-B  
CECILL-C  
CNRI-Jython  
CNRI-Python  
CNRI-Python-GPL-Compatible  
CPAL-1.0  
CPL-1.0  
CPOL-1.02  
CUA-OPL-1.0  
Caldera  
CIArtistic  
Condor-1.1  
Crossword  
CrystalStacker  
Cube  
D-FSL-1.0  
DOC  
DSDP

Dotseqn  
ECL-1.0  
ECL-2.0  
EFL-1.0  
EFL-2.0  
EPL-1.0  
EUDatagrid  
EUPL-1.0  
EUPL-1.1  
Entessa  
ErlPL-1.1  
Eurosymb  
FSFUL  
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Frameworkx-1.0  
FreeImage  
GFDL-1.1  
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GFDL-1.3  
GL2PS  
GPL-1.0  
GPL-2.0  
GPL-3.0  
Giftware  
Glide  
Glulxe  
HPND  
HaskellReport  
IBM-pibs  
ICU  
IJG  
IPA  
IPL-1.0  
ISC  
ImageMagick  
Imlib2  
Intel  
Intel-ACPI  
Interbase-1.0  
JSON  
JasPer-2.0  
LGPL-2.0  
LGPL-2.1  
LGPL-3.0  
LGPLLR  
LPL-1.0

LPL-1.02  
LPPL-1.0  
LPPL-1.1  
LPPL-1.2  
LPPL-1.3a  
LPPL-1.3c  
Latex2e  
Leptonica  
Libpng  
MIT  
MIT-CMU  
MIT-advertising  
MIT-enna  
MIT-feh  
MITNFA  
MPL-1.0  
MPL-1.1  
MPL-2.0  
MPL-2.0-no-copyleft-exception  
MS-PL  
MS-RL  
MTLL  
MakeIndex  
MirOS  
Motosoto  
Multics  
Mup  
NASA-1.3  
NBPL-1.0  
NCSA  
NGPL  
NLPL  
NOSL  
NPL-1.0  
NPL-1.1  
NPOSL-3.0  
NRL  
NTP  
Naumen  
NetCDF  
Newsletr  
Nokia  
Noweb  
Nunit  
OCLC-2.0  
ODbL-1.0  
OFL-1.0  
OFL-1.1

OGTSL  
OLDAP-1.1  
OLDAP-1.2  
OLDAP-1.3  
OLDAP-1.4  
OLDAP-2.0  
OLDAP-2.0.1  
OLDAP-2.1  
OLDAP-2.2  
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OLDAP-2.2.2  
OLDAP-2.3  
OLDAP-2.4  
OLDAP-2.5  
OLDAP-2.6  
OLDAP-2.7  
OLDAP-2.8  
OML  
OPL-1.0  
OSL-1.0  
OSL-1.1  
OSL-2.0  
OSL-2.1  
OSL-3.0  
OpenSSL  
PDDL-1.0  
PHP-3.0  
PHP-3.01  
Plexus  
PostgreSQL  
Python-2.0  
QPL-1.0  
Qhull  
RHeCos-1.1  
RPL-1.1  
RPL-1.5  
RPSL-1.0  
RSA-MD  
RSCPL  
Rdisc  
Ruby  
SAX-PD  
SCEA  
SGI-B-1.0  
SGI-B-1.1  
SGI-B-2.0  
SISSL  
SISSL-1.2

SMLNJ  
SNIA  
SPL-1.0  
SWL  
Saxpath  
Sendmail  
SimPL-2.0  
Sleepycat  
Spencer-86  
Spencer-94  
Spencer-99  
SugarCRM-1.1.3  
TCL  
TMate  
TORQUE-1.1  
TOSL  
UPL-1.0  
Unicode-TOU  
Unlicense  
VOSTROM  
VSL-1.0  
Vim  
W3C  
W3C-19980720  
WTFPL  
Watcom-1.0  
Wsuipa  
X11  
XFree86-1.1  
XSkat  
Xerox  
Xnet  
YPL-1.0  
YPL-1.1  
ZPL-1.1  
ZPL-2.0  
ZPL-2.1  
Zed  
Zend-2.0  
Zimbra-1.3  
Zimbra-1.4  
Zlib  
bzip2-1.0.5  
bzip2-1.0.6  
diffmark  
dviPDFM  
eGenix  
gSOAP-1.3b

```
gnuplot
iMatix
libtiff
mpich2
psfrag
psutils
xinetd
xpp
zlib-acknowledgement
).freeze
```

```
REGEXP = %r{
  \A
  (
    #{Regexp.union(IDENTIFIERS)}
    \+?
    (\s WITH \s .+)?
    | #{NONSTANDARD}
  )
  \Z
}ox.freeze
```

```
def self.match?(license)
  !REGEXP.match(license).nil?
end
```

```
def self.suggestions(license)
  by_distance = IDENTIFIERS.group_by do |identifier|
    levenshtein_distance(identifier, license)
  end
  lowest = by_distance.keys.min
  return unless lowest < license.size
  by_distance[lowest]
end
end
```

In Ruby's source distribution, this would describe a number of C source files that have different licenses than Ruby itself. None of those apply to JRuby, so we have this file here as a placeholder because Ola said so.

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```

java/io/PrintStream;Ljava/lang/Object;Ljava/lang/StringBuilder;Ljava/lang/System;licenseText
lineSeparator;main;org/bouncycastle/LICENSE;org/bouncycastle/util/Strings;out;portions of the
Software.println;subject to the following conditions:toString
!"&Ljava/io/PrintStream;Ljava/lang/String;()Ljava/lang/String;(Ljava/lang/String;)V(Ljava/lang/String;)V-
(Ljava/lang/String;)Ljava/lang/StringBuilder;(3#4$5,5*68 09 1:
->
.;
/;
/=
/?
2<Code!1. #4H*C %7H
@ABH/YDFGFGFFGF
FGFFGFFGFFGFGF FGF
FGFGFFGFFGFFGFFGFFGFFEA

```

## 1.98 python-stdlib-extensions 3.6.5-3

## 1.99 ntp 4.2.8p4+dfsg 3ubuntu5.9

### 1.99.1 Available under license :

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Version 3, 29 June 2007

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```
/* -*- Mode: Text -*- */
```

```
copyright = {  
  date = "1992-2017";  
  owner = "The University of Delaware and Network Time Foundation";  
  eaddr = "http://bugs.ntp.org, bugs@ntp.org";  
  type = ntp;  
};
```

```
long-opts;  
config-header = config.h;  
environrc;  
no-misuse-usage;  
version-proc = ntpOptionPrintVersion;
```

```
version = `  
eval VERSION=`sed -e 's/.*\.[\./] -e 's\[.*/' < ../sntp/m4/version.m4\  
[ -z "${VERSION}" ] && echo "Cannot determine VERSION" && kill -TERM $AG_pid  
echo $VERSION`;
```

```
version-value = "; /* Don't use -v as a shortcut for --version */
```

```
/*
```

\* HMS: man pages already have this, and texi pages can use the

\* values in sntp/include/version.texi .

\*/

```
// doc-sub = {
```

```
//   sub-name = version;
```

```
//   sub-text = 's/#VERSION#/<<version>>/g';
```

```
// };
```

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=====

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```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="content-type" content="text/html; charset=iso-8859-1">
```

```
<title>Copyright Notice</title>
```

```
<!-- Changed by: Harlan Stenn, 10-Mar-2014 -->
```

```
<link href="scripts/style.css" type="text/css" rel="stylesheet">
```

```
</head>
```

```
<body>
```

```
<h3>Copyright Notice</h3>
```

```
 "Clone me," says Dolly sheepishly.
```

```
<p>Last update:
```

```
<!-- #BeginDate format:En2m -->2-Jan-2017 11:58<!-- #EndDate -->
```

```
UTC</p>
```

```
<br clear="left">
```

```
</p>
```

```
<hr>
```

```
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```

```
<pre>
```

```
*****
```

```
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```

```
*
*
*****
```

```

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*****

```

```

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<p>The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are
acknowledged as authors of this work.</p>
<ol>
<li><a href="mailto:%20takao_abe@xurb.jp">Takao Abe &lt;takao_abe@xurb.jp&gt;</a> Clock driver for JJY
receivers</li>
<li><a href="mailto:%20mark_andrews@isc.org">Mark Andrews &lt;mark_andrews@isc.org&gt;</a> Leitch
atomic clock controller</li>
<li><a href="mailto:%20altmeier@atsoft.de">Bernd Altmeier &lt;altmeier@atsoft.de&gt;</a> hopf Elektronik
serial line and PCI-bus devices</li>
<li><a href="mailto:%20vbais@mailman1.intel.co">Viraj Bais &lt;vbais@mailman1.intel.com&gt;</a> and <a
href="mailto:%20kirkwood@striderfm.intel.com">Clayton Kirkwood &lt;kirkwood@striderfm.intel.com&gt;</a>
port to WindowsNT 3.5</li>
<li><a href="mailto:%20michael.barone@lmco.com">Michael Barone &lt;michael,barone@lmco.com&gt;</a>
GPSVME fixes</li>
<li><a href="mailto:%20karl@owl.HQ.ileaf.com">Karl Berry &lt;karl@owl.HQ.ileaf.com&gt;</a> syslog to file

```



option</li>

<li><a href="mailto:%20greg.brackley@bigfoot.com">Greg Brackley &lt;greg.brackley@bigfoot.com&gt;</a> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.</li>

<li><a href="mailto:%20Marc.Brett@westgeo.com">Marc Brett &lt;Marc.Brett@westgeo.com&gt;</a> Magnavox GPS clock driver</li>

<li><a href="mailto:%20Piete.Brooks@cl.cam.ac.uk">Piete Brooks &lt;Piete.Brooks@cl.cam.ac.uk&gt;</a> MSF clock driver, Trimble PARSE support</li>

<li><a href="mailto:%20nelson@bolyard.me">Nelson B Bolyard &lt;nelson@bolyard.me&gt;</a> update and complete broadcast and crypto features in snpt</li>

<li><a href="mailto:%20Jean-Francois.Boudreault@viagenie.qc.ca">Jean-Francois Boudreault &lt;Jean-Francois.Boudreault@viagenie.qc.ca&gt;</a> IPv6 support</li>

<li><a href="mailto:%20reg@dwf.com">Reg Clemens &lt;reg@dwf.com&gt;</a> Oncore driver (Current maintainer)</li>

<li><a href="mailto:%20clift@ml.csiro.au">Steve Clift &lt;clift@ml.csiro.au&gt;</a> OMEGA clock driver</li>

<li><a href="mailto:%20casey@csc.co.za">Casey Crellin &lt;casey@csc.co.za&gt;</a> vxWorks (Tornado) port and help with target configuration</li>

<li><a href="mailto:%20Sven\_Dietrich@trimble.COM">Sven Dietrich &lt;sven\_dietrich@trimble.com&gt;</a> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.</li>

<li><a href="mailto:%20dundas@salt.jpl.nasa.gov">John A. Dundas III &lt;dundas@salt.jpl.nasa.gov&gt;</a> Apple A/UX port</li>

<li><a href="mailto:%20duwe@immd4.informatik.uni-erlangen.de">Torsten Duwe &lt;duwe@immd4.informatik.uni-erlangen.de&gt;</a> Linux port</li>

<li><a href="mailto:%20dennis@mrbill.canet.ca">Dennis Ferguson &lt;dennis@mrbill.canet.ca&gt;</a> foundation code for NTP Version 2 as specified in RFC-1119</li>

<li><a href="mailto:%20jhay@icomtek.csir.co.za">John Hay &lt;jhay@icomtek.csir.co.za&gt;</a> IPv6 support and testing</li>

<li><a href="mailto:%20davehart@davehart.com">Dave Hart &lt;davehart@davehart.com&gt;</a> General maintenance, Windows port interpolation rewrite</li>

<li><a href="mailto:%20neoclock4x@linum.com">Claas Hilbrecht &lt;neoclock4x@linum.com&gt;</a> NeoClock4X clock driver</li>

<li><a href="mailto:%20glenn@herald.usask.ca">Glenn Hollinger &lt;glenn@herald.usask.ca&gt;</a> GOES clock driver</li>

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<li><a href="mailto:%20jagubox.gsfc.nasa.gov">Jim Jagielski &lt;jim@jagubox.gsfc.nasa.gov&gt;</a> A/UX port</li>

<li><a href="mailto:%20jbj@chatham.usdesign.com">Jeff Johnson &lt;jbj@chatham.usdesign.com&gt;</a> massive prototyping overhaul</li>

<li><a href="mailto:%20Hans.Lambermont@nl.origin-it.com">Hans Lambermont &lt;Hans.Lambermont@nl.origin-it.com&gt;</a> or <a href="mailto:H.Lambermont@chello.nl">&lt;H.Lambermont@chello.nl&gt;</a> ntp sweep</li>

<li><a href="mailto:%20phk@FreeBSD.ORG">Poul-Henning Kamp &lt;phk@FreeBSD.ORG&gt;</a> Oncore driver (Original author)</li>

<li><a href="http://www4.informatik.uni-erlangen.de/%7ekardel">Frank Kardel</a> <a href="mailto:%20kardel%20%28at%29%20ntp%20%28dot%29%20org">&lt;kardel (at) ntp (dot) org&gt;</a> PARSE &lt;GENERIC&gt; (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling</li>

<li><a href="mailto:kuehn@ntp.org">Johannes Maximilian Kuehn &lt;kuehn@ntp.org&gt;</a> Rewrote <tt>snpt</tt> to comply with NTPv4 specification, <tt>ntp saveconfig</tt></li>

<li><a href="mailto:%20jones@hermes.chpc.utexas.edu">William L. Jones &lt;jones@hermes.chpc.utexas.edu&gt;</a> RS/6000 AIX modifications, HPUX modifications</li>

<li><a href="mailto:%20dkatz@cisco.com">Dave Katz &lt;dkatz@cisco.com&gt;</a> RS/6000 AIX port</li>

<li><a href="mailto:%20leres@ee.lbl.gov">Craig Leres &lt;leres@ee.lbl.gov&gt;</a> 4.4BSD port, ppsclock, Magnavox GPS clock driver</li>

<li><a href="mailto:%20lindholm@ucs.ubc.ca">George Lindholm &lt;lindholm@ucs.ubc.ca&gt;</a> SunOS 5.1 port</li>

<li><a href="mailto:%20louie@ni.umd.edu">Louis A. Mamakos &lt;louie@ni.umd.edu&gt;</a> MD5-based authentication</li>

<li><a href="mailto:%20thorinn@diku.dk">Lars H. Mathiesen &lt;thorinn@diku.dk&gt;</a> adaptation of foundation code for Version 3 as specified in RFC-1305</li>

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<li><a href="mailto:%20mills@udel.edu">David L. Mills &lt;mills@udel.edu&gt;</a> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36</li>

<li><a href="mailto:%20moeller@gwdgv1.dnet.gwdg.de">Wolfgang Moeller &lt;moeller@gwdgv1.dnet.gwdg.de&gt;</a> VMS port</li>

<li><a href="mailto:%20mogul@pa.dec.com">Jeffrey Mogul &lt;mogul@pa.dec.com&gt;</a> ntptrace utility</li>

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  47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
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  52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure  
makeover, various other bits (see the ChangeLog)
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# 1.100 time 1.7 25.1build1

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

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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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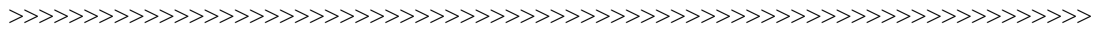




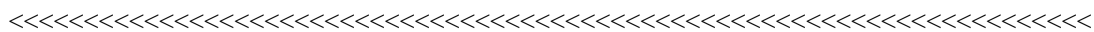




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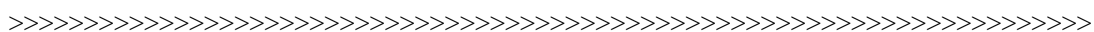
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# 1.121 language-selector 0.188

## 1.121.1 Available under license :

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Upstream-Maintainer: Arne Goetje <arne@ubuntu.com>

Upstream-Source: <https://code.launchpad.net/~ubuntu-core-dev/language-selector/ubuntu>

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## 1.123 netty-tcnative-boringssl-static 2.0.7

## 1.124 dash 2.0.4 9ubuntu2

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# 1.125 amd64-microcode

## 3.20191021.1+really3.20181128.1~ubuntu0.18.

### 04.1

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This package was debianized by Henrique de Moraes Holschuh <hnh@debian.org> on Sun Jun 10 10:54:36 BRT 2012

It was downloaded from <http://www.amd64.org/support/microcode.html> up to version 20120910 (now: <http://www.amd64.org/microcode.html>). For version 20131007 onwards, it was built from the linux-firmware git repository at: <https://git.kernel.org/pub/scm/linux/kernel/git/firmware/linux-firmware.git/>

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## 1.126 libffi 3.2.1 8

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## 1.127 mono-cecil 0.10.0.0

## 1.128 ed 1.10-2.1

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```
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```

```
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#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{
class Permission;
}
}
}
}

class java::security::acl::Permission : public ::java::lang::Object
{

public:
virtual jboolean equals(::java::lang::Object *) = 0;
virtual ::java::lang::String * toString() = 0;
static ::java::lang::Class class$;
} __attribute__((java_interface));
```

```
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```

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```

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



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

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

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

@item

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

@item

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

@enumerate a

@item

The modified work must itself be a software library.

@item

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

@item

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

@item

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

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

@end enumerate

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

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

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

@item

You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2,

instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

@item

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

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

@item

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

#### @item

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

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

#### @enumerate a

#### @item

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

#### @item

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

@item

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

@item

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

@item

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

@end enumerate

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

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

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@enumerate a

@item

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

@item

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

@item

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@item

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@item

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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

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



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

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

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

```
@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
```

That's all there is to it!

```
lf+gnu/classpath/tools/taglets/CopyrightTagletjava/lang/Objectcom/sun/tools/doclets/TagletNAMELjava/lang/String;
```

```
ConstantValue copyrightHEADER
```

```
Copyright:<init>()VCode
```

```
LineNumberTableLocalVariableTablethis-
```

```
Lgnu/classpath/tools/taglets/CopyrightTaglet;getName()Ljava/lang/String;inField()Z
```

```
inConstructorinMethod
```

```
inOverview inPackageinTypeisInlineTagregister(Ljava/util/Map;)V
```

```
&(*)
```

```
java/util/Map+.put8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
```

```
tagletMapLjava/util/Map;copyrightTaglettoString)(Lcom/sun/javadoc/Tag;)Ljava/lang/String;3com/sun/javadoc/Ta
```

```

g
506*(Lcom/sun/javadoc/Tag;)Ljava/lang/String;tagLcom/sun/javadoc/Tag;2::text
=?>java/lang/String@Alength()ICjava/lang/StringBuffer
BF<dl>
BHJappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;Ljava/lang/StringBuilderN<dt><i>Copyright &#169;
KPQ(Ljava/lang/String;)V
KSIT-(Ljava/lang/String;)Ljava/lang/StringBuilder;V </i></dt>
KX0Z</dl>
BXtags[Lcom/sun/javadoc/Tag;haveValidTagZiresultLjava/lang/StringBuffer;
SourceFileCopyrightTaglet.java!

/* 1-
7,;,?,C,G,K,O!,S "#QY$L*+%+'WWXY-.
/01A
*2Y+S4\

7806)+=>+29<=+_BYDN-EGW67+29<%-KYMO+29RURWGW+-YGW-[F`ad efge+k/17m>nDoSpunstw>] ^_
`a7TbcA>`ade

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_Permission__
#define __java_security_Permission__

#pragma interface

#include <java/lang/Object.h>
extern "Java"
{
    namespace java
    {
        {
            namespace security
            {
                class Permission;
                class PermissionCollection;
            }
        }
    }
}

class java::security::Permission : public ::java::lang::Object
{
public:
    Permission(::java::lang::String *);
    virtual void checkGuard(::java::lang::Object *);
    virtual jboolean implies(::java::security::Permission *) = 0;
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual jint hashCode() = 0;

```

```

virtual ::java::lang::String * getName();
virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();
private:
static const jlong serialVersionUID = -563657022231596674LL;
::java::lang::String * __attribute__((aligned(__alignof__( ::java::lang::Object)))) name;
public:
static ::java::lang::Class class$;
};

```

```
#endif // __java_security_Permission__
```

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Version 3, 29 June 2007

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

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

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

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

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

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b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

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

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

b) Accompany the object code with a copy of the GNU GPL and this license document.

4. Combined Works.

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

the following:

- a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License.
- b) Accompany the Combined Work with a copy of the GNU GPL and this license document.
- c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.
- d) Do one of the following:
  - 0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.
  - 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.
- e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

## 5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this

License, and convey such a combined library under terms of your choice, if you do both of the following:

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

#### 6. Revised Versions of the GNU Lesser General Public License.

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

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

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

```
<appendix xmlns="http://docbook.org/ns/docbook" version="5.0"
  xml:id="appendix.gpl-3.0"><info><title>
  <acronym>GNU</acronym> General Public License version 3
</title></info>
<?dbhtml filename="appendix_gpl.html"?>
```

```
<para>
```

Version 3, 29 June 2007

```
</para>
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```

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<http://www.fsf.org/>

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</para>
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```
<para>
```

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</para>

<bridgehead xml:id="gpl-3-preamble" renderas="sect1">

Preamble

</bridgehead>

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</para>

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<para>

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</para>

<para>

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</para>

<para>

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</para>

<para>

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</para>

<para>

For the developers and authors protection, the <acronym>GPL</acronym> clearly explains that there is no warranty for this

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</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<bridgehead>

TERMS AND CONDITIONS

</bridgehead>

<bridgehead xml:id="gpl-3-definitions" renderas="sect1">

0. Definitions.

</bridgehead>

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</para>

<para>

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</para>

<para>

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Licensees and recipients may be individuals or organizations.



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<para>

To modify a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a modified version of the earlier work or a work based on the earlier work.

</para>

<para>

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

</para>

<para>

To propagate a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

</para>

<para>

To convey a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

</para>

<para>

An interactive user interface displays Appropriate Legal Notices to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

</para>

<bridgehead xml:id="SourceCode" renderas="sect1">

1. Source Code.

</bridgehead>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

</para>

<para>

The Corresponding Source for a work in source code form is that same work.

</para>

<bridgehead xml:id="BasicPermissions" renderas="sect1">

2. Basic Permissions.

</bridgehead>

<para>

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

</para>

<para>

You may make, run and propagate covered works that you do not convey,

without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

</para>

<para>

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

</para>

<bridgehead xml:id="Protecting" renderas="sect1">

3. Protecting Users Legal Rights From Anti-Circumvention Law.

</bridgehead>

<para>

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

</para>

<para>

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the works users, your or third parties legal rights to forbid circumvention of technological measures.

</para>

<bridgehead xml:id="ConveyingVerbatim" renderas="sect1">

4. Conveying Verbatim Copies.

</bridgehead>

<para>

You may convey verbatim copies of the Programs source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

</para>

<para>

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

</para>

<bridgehead xml:id="ConveyingModified" renderas="sect1">

## 5. Conveying Modified Source Versions.

</bridgehead>

<para>

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

The work must carry prominent notices stating that you modified it, and giving a relevant date.

</para>

</listitem>

<listitem>

<para>

The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to keep intact all notices.

</para>

</listitem>

<listitem>

<para>

You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

</para>

</listitem>

<listitem>

<para>

If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

</para>

</listitem>

</orderedlist>

<para>

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of

a storage or distribution medium, is called an aggregate if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilations users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

</para>

<bridgehead xml:id="ConveyingNonSource" renderas="sect1">

6. Conveying Non-Source Forms.

</bridgehead>

<para>

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

</orderedlist>

<para>

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

</para>

<para>

A User Product is either (1) a consumer product, which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, normally used refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

</para>

<para>

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

made.

</para>

<para>

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in <acronym>ROM</acronym>).

</para>

<para>

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

</para>

<para>

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

</para>

<bridgehead xml:id="AdditionalTerms" renderas="sect1">

## 7. Additional Terms.

</bridgehead>

<para>

Additional permissions are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

</para>

<para>

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on

material, added by you to a covered work, for which you have or can give appropriate copyright permission.

</para>

<para>

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or

</para>

</listitem>

<listitem>

<para>

Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or

</para>

</listitem>

<listitem>

<para>

Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or

</para>

</listitem>

<listitem>

<para>

Limiting the use for publicity purposes of names of licensors or authors of the material; or

</para>

</listitem>

<listitem>

<para>

Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or

</para>

</listitem>

<listitem>

<para>

Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.



</para>  
</listitem>  
</orderedlist>  
<para>

All other non-permissive additional terms are considered further restrictions within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

</para>  
<para>

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

</para>  
<para>

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way.

</para>

<bridgehead xml:id="gpl-3-termination" renderas="sect1">

8. Termination.

</bridgehead>

<para>

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

</para>

<para>

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

</para>

<para>

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

</para>

<para>

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10.

</para>

<bridgehead xml:id="AcceptanceNotRequired" renderas="sect1">

9. Acceptance Not Required for Having Copies.

</bridgehead>

<para>

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so.

</para>

<bridgehead xml:id="AutomaticDownstream" renderas="sect1">

10. Automatic Licensing of Downstream Recipients.

</bridgehead>

<para>

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this License. You are not responsible for enforcing compliance by third parties with this License.

</para>

<para>

An entity transaction is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

</para>

<para>

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or

any portion of it.

</para>

<bridgehead xml:id="Patents" renderas="sect1">

11. Patents.

</bridgehead>

<para>

A contributor is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributors contributor version.

</para>

<para>

A contributors essential patent claims are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, control includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

</para>

<para>

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributors essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

</para>

<para>

In the following three paragraphs, a patent license is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To grant such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

</para>

<para>

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. Knowingly relying means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipients use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe

are valid.

</para>

<para>

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the parties receiving the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

</para>

<para>

A patent license is discriminatory if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

</para>

<para>

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

</para>

<bridgehead xml:id="NoSurrender" renderas="sect1">

12. No Surrender of Others Freedom.

</bridgehead>

<para>

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

</para>

<bridgehead xml:id="UsedWithAGPL" renderas="sect1">

13. Use with the <acronym>GNU</acronym> Affero General Public License.

</bridgehead>

<para>

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the <acronym>GNU</acronym> Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the <acronym>GNU</acronym> Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

</para>

<bridgehead xml:id="RevisedVersions" renderas="sect1">

14. Revised Versions of this License.

</bridgehead>

<para>

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

</para>

<para>

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

</para>

<para>

If the Program specifies that a proxy can decide which future versions of the <acronym>GNU</acronym> General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

</para>

<para>

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

</para>

<bridgehead xml:id="WarrantyDisclaimer" renderas="sect1">

15. Disclaimer of Warranty.

</bridgehead>

<para>

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THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

</para>

<bridgehead xml:id="LiabilityLimitation" renderas="sect1">

16. Limitation of Liability.

</bridgehead>

<para>

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</para>

<bridgehead xml:id="InterpretationSecs1516" renderas="sect1">

17. Interpretation of Sections 15 and 16.

</bridgehead>

<para>

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

</para>

<bridgehead>

END OF TERMS AND CONDITIONS

</bridgehead>

<bridgehead xml:id="HowToApply" renderas="sect1">

How to Apply These Terms to Your New Programs

</bridgehead>

<para>

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.

</para>

<para>

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

</para>

<screen>

<replaceable>one line to give the programs name and a brief idea of what it does.</replaceable>  
Copyright (C) <replaceable>year</replaceable> <replaceable>name of author</replaceable>

This program is free software: you can redistribute it and/or modify  
it under the terms of the <acronym>GNU</acronym> General Public License as published by  
the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.

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

You should have received a copy of the <acronym>GNU</acronym> General Public License  
along with this program. If not, see <link xmlns:xlink="http://www.w3.org/1999/xlink"  
xlink:href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</link>.

</screen>

<para>

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

</para>

<para>

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

</para>

<screen>

<replaceable>program</replaceable> Copyright (C) <replaceable>year</replaceable> <replaceable>name of  
author</replaceable>

This program comes with ABSOLUTELY NO WARRANTY; for details type <literal>show w</literal>.

This is free software, and you are welcome to redistribute it  
under certain conditions; type <literal>show c</literal> for details.

</screen>

<para>

The hypothetical commands <literal>show w</literal> and  
<literal>show c</literal> should show the appropriate parts of  
the General Public License. Of course, your programs commands might be  
different; for a GUI interface, you would use an about box.

</para>

<para>

You should also get your employer (if you work as a programmer) or school,  
if any, to sign a copyright disclaimer for the program, if  
necessary. For more information on this, and how to apply and follow the  
<acronym>GNU</acronym> <acronym>GPL</acronym>, see  
<link xmlns:xlink="http://www.w3.org/1999/xlink"  
xlink:href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</link>.

</para>

<para>

The <acronym>GNU</acronym> 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 <acronym>GNU</acronym> Lesser General Public License instead of this License. But first, please read <link xmlns:xlink="http://www.w3.org/1999/xlink" xlink:href="http://www.gnu.org/philosophy/why-not-lgpl.html">http://www.gnu.org/philosophy/why-not-lgpl.html</link>.

</para>

</appendix>

Ljava/security/acl/Permissionjava/lang/Objectequals(Ljava/lang/Object;)ZtoString()Ljava/lang/String; SourceFilePermission.java

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Version 2, June 1991

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```
package java.security.acl;
```

```
/**
```

```
* This interface provides information about a permission that can be
* granted. Note that this is not the same as the class
```

```

* <code>java.security.Permission</code>.
*
* @version 0.0
*
* @author Aaron M. Renn (arenn@urbanophile.com)
*/
public interface Permission
{
/**
* This method tests whether or not a specified <code>Permission</code>
* (passed as an <code>Object</code>) is the same as this permission.
*
* @param perm The permission to check for equality
*
* @return <code>>true</code> if the specified permission is the same as this one, <code>>false</code> otherwise
*/
boolean equals (Object perm);

/**
* This method returns this <code>Permission</code> as a <code>String</code>.
*
* @return A <code>String</code> representing this permission.
*/
String toString();
}
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```

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```
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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"><html
xmlns="http://www.w3.org/1999/xhtml"><head><meta http-equiv="Content-Type" content="text/html;
charset=UTF-8" /><title>License</title><meta name="generator" content="DocBook XSL-NS Stylesheets
V1.78.1" /><meta name="keywords" content="ISO C++, library" /><meta name="keywords" content="ISO C++,
runtime, library" /><link rel="home" href="../index.html" title="The GNU C++ Library" /><link rel="up"
href="status.html" title="Chapter1.Status" /><link rel="prev" href="status.html" title="Chapter1.Status" /><link
rel="next" href="bugs.html" title="Bugs" /></head><body><div class="navheader"><table width="100%"
summary="Navigation header"><tr><th colspan="3" align="center">License</th></tr><tr><td width="20%"
align="left"><a accesskey="p" href="status.html">Prev</a></td><th width="60%"
align="center">Chapter1.Status</th><td width="20%" align="right"><a accesskey="n"
href="bugs.html">Next</a></td></tr></table><hr /></div><div class="section"><div
class="titlepage"><div><div><h2 class="title" style="clear: both"><a
id="manual.intro.status.license"></a>License</h2></div></div></div><p>
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and one for the documentation.
</p><p>
```

```
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href="../faq.html#faq.license">questions</a>. If you have more
questions, ask the FSF or the <a class="link" href="http://gcc.gnu.org/lists.html" target="_top">gcc mailing
```

list

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<br />

0.Definitions.<br />

<br />

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<br />

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```

```
I[java/security/Permissionjava/lang/Objectjava/security/Guardjava/io/SerializableserialVersionUID
ConstantValue?(WQ~nameLjava/lang/String;<init>(Ljava/lang/String;)VCode
()V LineNumberTableLocalVariableTablethisLjava/security/Permission;
checkGuard(Ljava/lang/Object;)V
! java/lang/System"#getSecurityManager()Ljava/lang/SecurityManager;
%'&java/lang/SecurityManager()checkPermission(Ljava/security/Permission;)VobjLjava/lang/Object;smLjava/lang/
SecurityManager;implies(Ljava/security/Permission;)Zequals(Ljava/lang/Object;)ZhashCode()IgetName()Ljava/lan
g/String;
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r
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:>?@append"(C)Lgnu/java/lang/CPStringBuilder;
BCDgetClass()Ljava/lang/Class;
FHGjava/lang/Class45
:J?K3(Ljava/lang/String;)Lgnu/java/lang/CPStringBuilder;
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:V95stringLgnu/java/lang/CPStringBuilder;
SourceFilePermission.java!
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\* m4/ax\_func\_which\_gethostbyname\_r.m4

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Ty Coon, President of Vice

That's all there is to it!

/\* Definitions for BSD assembler syntax for Intel 386  
(actually AT&T syntax for insns and operands,  
adapted to BSD conventions for symbol names and debugging.)  
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/\* Use the Sequent Symmetry assembler syntax. \*/

/\* Define the syntax of pseudo-ops, labels and comments. \*/

/\* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.'s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu \*/

#define LPREFIX "L"

/\* Assembler pseudos to introduce constants of various size. \*/

#define ASM\_BYTE "\t.byte\t"

#define ASM\_SHORT "\t.word\t"

#define ASM\_LONG "\t.long\t"

#define ASM\_QUAD "\t.quad\t" /\* Should not be used for 32bit compilation. \*/

/\* This was suggested, but it shouldn't be right for DBX output. -- RMS

#define ASM\_OUTPUT\_SOURCE\_FILENAME(FILE, NAME) \*/

/\* Define the syntax of labels and symbol definitions/declarations. \*/

/\* This is how to output an assembler line  
that says to advance the location counter by SIZE bytes. \*/

#define ASM\_OUTPUT\_SKIP(FILE,SIZE) \  
fprintf (FILE, "\t.space " HOST\_WIDE\_INT\_PRINT\_UNSIGNED"\n", (SIZE))

/\* Define the syntax of labels and symbol definitions/declarations. \*/

/\* This says how to output an assembler line  
to define a global common symbol. \*/

#define ASM\_OUTPUT\_COMMON(FILE, NAME, SIZE, ROUNDED) \  
( fputs (".comm ", (FILE)), \  
assemble\_name ((FILE), (NAME)), \  
fprintf ((FILE), "%u\n", (int)(ROUNDED)))

/\* This says how to output an assembler line  
to define a local common symbol. \*/

#define ASM\_OUTPUT\_LOCAL(FILE, NAME, SIZE, ROUNDED) \

```

(fputs(".lcomm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), "%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
(fputs(".lcomm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), "%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
sprintf ((BUF), "%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0
#!/usr/bin/python
#
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#
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# any later version.

# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
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```

```
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.
```

```
import os
import re
import sys
import time
import subprocess
```

```
class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
            sys.stderr.write(string + '\n')
            self.num_errors += 1

    def ok(self):
        return self.num_errors == 0
```

```

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

    self.skip_files |= set ([
        # Skip licence files.
        'COPYING',
        'COPYING.LIB',
        'COPYING3',
        'COPYING3.LIB',
        'LICENSE',
        'fdl.texi',
        'gpl_v3.texi',
        'fdl-1.3.xml',
        'gpl-3.0.xml',

        # Skip auto- and libtool-related files
        'aclocal.m4',
        'compile',
        'config.guess',
        'config.sub',
        'depcomp',
        'install-sh',
        'libtool.m4',
        'ltmain.sh',
        'ltoptions.m4',
        'ltsugar.m4',
        'ltversion.m4',
        'lt~obsolete.m4',
        'missing',
        'mkdep',
        'mkinstalldirs',
        'move-if-change',
        'shlibpath.m4',
        'symlink-tree',
        'ylwrap',

        # Skip FSF mission statement, etc.
        'gnu.texi',
        'funding.texi',
        'appendix_free.xml',

        # Skip imported texinfo files.

```

```

        'texinfo.tex',
    ])

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')

    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

        # Skip files produced by autogen
        if (os.path.exists (base + '.def')
            and os.path.exists (base + '.tpl')):
            return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

```

```

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9](?:[-0-9.,\s])\s+and\s+[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w.,-]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (
            # 1: 'Copyright (C)', etc.
            '[Cc]opyright'
            '|[Cc]opyright\s+\([Cc]\)'
            '|[Cc]opyright\s+%s'
            '|[Cc]opyright\s+&copy;'
            '|[Cc]opyright\s+@copyright{'
            '|copyright = u\"
            '|@set\s+copyright[\w-]+)'

            # 2: the years. Include the whitespace in the year, so that
            # we can remove any excess.
            '\s*(?:' + ranges + ',?'
            '@value\{[^\{]*\})\s*)'

            # 3: 'by ', if used
            '(by\s+)?'

            # 4: the copyright holder. Don't allow multiple consecutive
            # spaces, so that right-margin gloss doesn't get caught
            # (e.g. gnat_ugn.texi).
            '(' + name + '(?:\s?' + name + ')*?)'

        # A regexp for notices that might have slipped by. Just matching
        # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
        # HTML header markers, so check for 'copyright' and two digits.
        self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',

```

```

        re.IGNORECASE)
self.comment_re = re.compile('#+[*]+;+|%+//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ''

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

```



```

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years

    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != "":
            self.errors.report (pathname,

```

```

        'trailing characters in @set: '
        + after_years)
    return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break

        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation (next_line)
        if not self.continuation_re.match (continuation):
            break

        # Merge the lines for matching purposes.
        orig_line += next_line
        line = line.rstrip() + ' ' + continuation
        next_line = None

        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match (line, match.start())
        assert match

    holder = match.group (4)

    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author (dir, filename):
        assert holder not in self.holders

    elif not holder:
        self.errors.report (pathname, 'missing copyright holder')
        return (False, orig_line, next_line)

    elif holder not in self.holders:
        self.errors.report (pathname,
            'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)

    else:
        # See whether the copyright is associated with the package
        # author.
        canon_form = self.holders[holder]
        if not canon_form:
            return (False, orig_line, next_line)

```

```

        # Make sure the author is given in a consistent way.
        line = (line[:match.start (4)]
              + canon_form
              + line[match.end (4):])

        # Remove any 'by'
        line = line[:match.start (3)] + line[match.end (3):]

# Update the copyright years.
years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
      + (" if intro.startswith ('copyright = ') else ' ')
      + canon_form + self.separator
      + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith (('c')):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None

```

```

for line in file:
    while line:
        next_line = None
        # Leave filtered-out lines alone.
        if not (line_filter and line_filter.match (line)):
            match = self.copyright_re.search (line)
            if match:
                res = self.update_copyright (dir, filename, filter,
   file, line, match)
                (this_changed, line, next_line) = res
                changed = changed or this_changed

            # Check for copyright lines that might have slipped by.
            elif self.other_copyright_re.search (line):
                self.errors.report (pathname,
                                   'unrecognised copyright: %s'
                                   % line.strip())
            lines.append (line)
            line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (['quilt', 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s\n'
                                  % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()

```

```

self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []

self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
                self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
                self.o_this_year)

def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n'
                    'Options:\n' % sys.argv[0])
    format = '%-15s %s\n'
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('\nDirectories:\n')

    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)

```

```

elif arg in self.option_handlers:
    self.option_handlers[arg] (arg)
else:
    self.errors.report (None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
    else:
        for chosen_dir in self.chosen_dirs:
            canon_dir = os.path.join (chosen_dir, "")
            count = 0
            for (dir, filter) in self.dirs:
                if (dir + os.sep).startswith (canon_dir):
                    count += 1
                    self.copyright.process_tree (dir, filter)
            if count == 0:
                self.errors.report (None, 'unrecognised directory: '
                    + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

```

#-----

```

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

```

```

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

```

```

def skip_file (self, dir, filename):
    if filename.endswith ('.m4'):
        pathname = os.path.join (dir, filename)
        with open (pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find ('gettext-') >= 0:
                return True
    return GenericFilter.skip_file (self, dir, filename)

```

```

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

```

```

self.skip_files |= set ([
    # Not part of GCC
    'math-68881.h',

```

```

    ])

self.skip_dirs |= set ([
    # Better not create a merge nightmare for the GNAT folks.
    'ada',

    # Handled separately.
    'testsuite',
    ])

self.skip_extensions |= set ([
    # Maintained by the translation project.
    '.po',

    # Automatically-generated.
    '.pot',
    ])

self.fossilised_files |= set ([
    # Old news won't be updated.
    'ONEWS',
    ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Don't change the tests, which could be woened by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
            ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

```

```

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'NameDecoder.h':
            return re.compile ('.*NAME_COPYRIGHT')
        if filename == 'ICC_Profile.h':
            return re.compile ('.*icSigCopyrightTag')
        return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

```



```

self.skip_dirs |= set ([
    # Handled separately.
    'testsuite',
])

class LibStdCxxFilter (GenericFilter):
def __init__ (self):
    GenericFilter.__init__ (self)

self.skip_files |= set ([
    # Contains no copyright of its own, but quotes the GPL.
    'intro.xml',
])

self.skip_dirs |= set ([
    # Contains automatically-generated sources.
    'html',

    # The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',
])

self.own_files |= set ([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// \\\(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
def __init__ (self, errors):
    Copyright.__init__ (self, errors)

    canon_fsf = 'Free Software Foundation, Inc.'
    self.add_package_author ('Free Software Foundation', canon_fsf)
    self.add_package_author ('Free Software Foundation.', canon_fsf)
    self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
    self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
    self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author ('The Free Software Foundation', canon_fsf)
    self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author ('Software Foundation, Inc.', canon_fsf)

```

```

self.add_external_author ('ARM')
self.add_external_author ('AdaCore')
self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author ('Cavium Networks.')
self.add_external_author ('Faraday Technology Corp.')
self.add_external_author ('Florida State University')
self.add_external_author ('Greg Colvin and Beman Dawes.')
self.add_external_author ('Hewlett-Packard Company')
self.add_external_author ('Information Technology Industry Council.')
self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author ('National Research Council of Canada.')
self.add_external_author ('NVIDIA Corporation')
self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California.')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
self.add_external_author ('Silicon Graphics')
self.add_external_author ('Stephen L. Moshier')
self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors.')
self.add_external_author ('The Regents of the University of California.')
self.add_external_author ('Unicode, Inc.')
self.add_external_author ('University of Toronto.')

```

```

class GCCCmdLine (CmdLine):

```

```

    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # Boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.

```

```

self.add_dir ('libgcc', LibGCCFilter())
self.add_dir ('libgfortran')
self.add_dir ('libgomp')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libjava', LibJavaFilter())
self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
self.add_dir ('libmudflap', LibMudflapFilter())
self.add_dir (os.path.join ('libmudflap', 'testsuite'),
               TestsuiteFilter())
self.add_dir ('libobjc')
self.add_dir ('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('libvtv')
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
]

```

GCCcmdLine().main()

/\* gnu.classpath.tools.taglets.CopyrightTaglet

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```
package gnu.classpath.tools.taglets;
```

```
import java.util.Map;
```

```
import com.sun.tools.doclets.Taglet;
```

```
import com.sun.javadoc.Tag;
```

```
/**
```

```
 * A simple Taglet which handles Copyright information.
```

```
 */
```

```
public class CopyrightTaglet implements Taglet {
```

```
    private static final String NAME = "copyright";
```

```
    private static final String HEADER = "Copyright:";
```

```
    public String getName() {
```

```
        return NAME;
```

```
    }
```

```
    public boolean inField() {
```

```
        return true;
```

```
    }
```

```

public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {
    return true;
}

public boolean isInlineTag() {
    return false;
}

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
    }

    if (haveValidTag) {
        StringBuffer result = new StringBuffer();

```

```

    result.append("<dl>");
    for (int i = 0; i < tags.length; i++) {
        if (tags[i].text().length() > 0) {
            result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
        }
    }
    result.append("</dl>");
    return result.toString();
}
else {
    return null;
}
}
}
}
}

```

// DO NOT EDIT THIS FILE - it is machine generated \*- c++ -\*-

```

#ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
#define __gnu_javax_sound_AudioSecurityManager$Permission__

```

```

#pragma interface

```

```

#include <java/lang/Enum.h>

```

```

#include <gcj/array.h>

```

```

extern "Java"

```

```

{
    namespace gnu
    {
        namespace javax
        {
            namespace sound
            {
                class AudioSecurityManager$Permission;
            }
        }
    }
}

```

```

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{

```

```

    AudioSecurityManager$Permission(::java::lang::String *, jint);

```

```

public:

```

```

    static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();

```

```

    static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);

```

```

    static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;

```

```
static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
static ::java::lang::Class class$;
};
```

```
#endif // __gnu_javax_sound_AudioSecurityManager$Permission__
```

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

## HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

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

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

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

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

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

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

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

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

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

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

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

@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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@end smallexample
```

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@c man end

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```
/* Permission.java -- The superclass for all permission objects
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```

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```
package java.security;
```

```
import gnu.java.lang.CPStringBuilder;
```

```
import java.io.Serializable;
```

```
/**
```

```
 * This class is the abstract superclass of all classes that implement
```



```

* the concept of a permission. A permission consists of a permission name
* and optionally a list of actions that relate to the permission. The
* actual meaning of the name of the permission is defined only in the
* context of a subclass. It may name a resource to which access permissions
* are granted (for example, the name of a file) or it might represent
* something else entirely. Similarly, the action list only has meaning
* within the context of a subclass. Some permission names may have no
* actions associated with them. That is, you either have the permission
* or you don't.
*
* <p>The most important method in this class is <code>implies</code>. This
* checks whether if one has this permission, then the specified
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
*
* <p><code>Permission</code>'s must be immutable - do not change their
* state after creation.
*
* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/
public abstract class Permission implements Guard, Serializable
{
/**
 * Compatible with JDK 1.1+.
 */
private static final long serialVersionUID = -563657022231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;

```

```

}

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * <code>SecurityManager</code> with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the <code>Object</code> being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 *
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**

```

```

* Get the name of this <code>Permission</code>.
*
* @return the name
*/
public final String getName()
{
    return name;
}

/**
* This method returns the list of actions for this <code>Permission</code>
* as a <code>String</code>. The string should be in canonical order, for
* example, both <code>new FilePermission(f, "write,read")</code> and
* <code>new FilePermission(f, "read,write")</code> have the action list
* "read,write".
*
* @return the action list for this <code>Permission</code>
*/
public abstract String getActions();

/**
* This method returns an empty <code>PermissionCollection</code> object
* that can store permissions of this type, or <code>null</code> if no
* such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
* <code>implies</code>.
*
* @return a new <code>PermissionCollection</code>
*/
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
* This method returns a <code>String</code> representation of this
* <code>Permission</code> object. This is in the format:
* <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
* + ')</code>.
*
* @return this object as a <code>String</code>
*/
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());

```

```

string = string.append(' ');
string = string.append(getName());

if (!(getActions().equals("")))
{
    string = string.append(' ');
    string = string.append(getActions());
}

string = string.append('');
return string.toString();
}
} // class Permission

```

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Version 2.1, February 1999

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It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>, David Engel <david@elo.ods.com>. Michael Alan Dorman <mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup <jjtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray) <jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> over various years.

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# 1.133 bash 4.4.18 2ubuntu1

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Version 3, 29 June 2007

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## 1.137 man-db 2.8.3-2

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## 1.138 ppp 2.4.7-2+2ubuntu1.1

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## 1.141 tar 1.29b-2

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## 1.142 glibc 2.27 3ubuntu1

### 1.142.1 Available under license :

```
/* setjmp is implemented in setjmp.S */
```

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```
/* _setjmp is implemented in setjmp.S */
```

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```

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@c man end

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This is the Debian GNU/Linux prepackaged version of the GNU compiler collection, containing Ada, C, C++, Fortran 95, Java, Objective-C, Objective-C++, and Treelang compilers, documentation, and support libraries. In addition, Debian provides the gdc compiler, either in the same source package, or built from a separate same source package.

Packaging is done by the Debian GCC Maintainers <debian-gcc@lists.debian.org>, with sources obtained from:

ftp://gcc.gnu.org/pub/gcc/releases/ (for full releases)  
svn://gcc.gnu.org/svn/gcc/ (for prereleases)  
http://bitbucket.org/goshawk/gdc (for D)

The current gcc-4.8 source package is taken from the SVN gcc-4\_8-branch.

Changes: See changelog.Debian.gz

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

| Language      | Compiler package | Library package | Documentation      |
|---------------|------------------|-----------------|--------------------|
| Ada           | gnat-4.8         | libgnat-4.8     | gnat-4.8-doc       |
| C             | gcc-4.8          |                 | gcc-4.8-doc        |
| C++           | g++-4.8          | libstdc++6      | libstdc++6-4.8-doc |
| D             | gdc-4.8          |                 |                    |
| Fortran 95    | gfortran-4.8     | libgfortran3    | gfortran-4.8-doc   |
| Go            | gccgo-4.8        | libgo0          |                    |
| Java          | gcj-4.8          | libgcj10        | libgcj-doc         |
| Objective C   | gobjc-4.8        | libobjc2        |                    |
| Objective C++ | gobjc++-4.8      |                 |                    |

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

| Language | Sources           | Development        | Debugging          | Position-Independent |
|----------|-------------------|--------------------|--------------------|----------------------|
| C++      |                   | libstdc++6-4.8-dbg | libstdc++6-4.8-pic |                      |
| D        | libphobos-4.8-dev |                    |                    |                      |
| Java     | libgcj10-src      | libgcj10-dev       | libgcj10-dbg       |                      |

Additional packages include:

All languages:

|                           |                                     |
|---------------------------|-------------------------------------|
| libgcc1, libgcc2, libgcc4 | GCC intrinsics (platform-dependent) |
| gcc-4.8-base              | Base files common to all compilers  |
| gcc-4.8-soft-float        | Software floating point (ARM only)  |
| gcc-4.8-source            | The sources with patches            |

Ada:

|                               |                              |
|-------------------------------|------------------------------|
| libgnatvsn-dev, libgnatvsn4.8 | GNAT version library         |
| libgnatprj-dev, libgnatprj4.8 | GNAT Project Manager library |

C:

|                              |                                           |
|------------------------------|-------------------------------------------|
| cpp-4.8, cpp-4.8-doc         | GNU C Preprocessor                        |
| libmudflap0-dev, libmudflap0 | Library for instrumenting pointers        |
| libssp0-dev, libssp0         | GCC stack smashing protection library     |
| libquadmath0                 | Math routines for the __float128 type     |
| fixincludes                  | Fix non-ANSI header files                 |
| protoize                     | Create/remove ANSI prototypes from C code |

Java:

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

C, C++ and Fortran 95:

|                        |                                   |
|------------------------|-----------------------------------|
| libgomp1-dev, libgomp1 | GCC OpenMP (GOMP) support library |
| libitm1-dev, libitm1   | GNU Transactional Memory Library  |

Biarch support: On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of 'lib', for example lib32stdc++. Similarly, on some 32-bit platforms which can also run 64-bit code, Debian provides additional packages with names beginning with 'lib64' instead of 'lib'. These packages contain 64-bit versions of the libraries. (At this time, not all platforms and not all libraries support biarch.) The license terms for these lib32 or lib64 packages are identical to the ones for the lib packages.

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- libatomic
- libdecnumber
- libgomp
- libitm
- libssp
- libstdc++-v3
- libobjc
- libmudflap
- libgfortran
- The libgnat-4.8 Ada support library and libgnatvsn library.
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libquadmath/math:

atanq.c, expm1q.c, j0q.c, j1q.c, log1pq.c, logq.c:

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\* Conversion to long double by Ulrich Drepper,

\* Cygnus Support, drepper@cygnus.com.

cosq\_kernel.c, expq.c, sincos\_table.c, sincosq.c, sincosq\_kernel.c,

sinq\_kernel.c, truncq.c:

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Cephes Math Library Release 2.2: January, 1991

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Adapted for glibc November, 2001

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gcc/go/gofrontend, libgo:

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D:

gdc-4.8                    GNU D Compiler  
libphobos-4.8-dev        D standard runtime library

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

The D front-end for GCC:

- d/\*

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The DMD Compiler implementation of the D programming language:

- d/dmd/\*

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The Zlib data compression library:

- d/phobos/etc/c/zlib/\*

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The Phobos standard runtime library:

- d/phobos/\*

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

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

## HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

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

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

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

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

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

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

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

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

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

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

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

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

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

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

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```
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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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@page

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

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```
@end smallexample
```

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```
@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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Version 3, 29 June 2007

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Jan 21, 2002

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Version 3.1, 31 March 2009

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## 1.153 jffi 1.2.16

## 1.154 orbit 2.14.19 1build1

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Sebastian Porta <sebastianporta@gmail.com>

Oliver Scholtz <scholli\_tz@yahoo.de>

Daniel Planas <daniplanas.a@gmail.com>

Dennis Fisher, for his amazing work with emblems to make them look beautiful.

This package was debianized by Steve Kowalik <stevenk@ubuntu.com> on Tue, 25 Aug 2009 13:41:32 +1000.

This package was downloaded from <https://launchpad.net/humanity/+download>

Upstream Author:

Daniel Fore <Daniel.P.Fore@gmail.com>

Jonian Guveli <jonian.guveli@gmail.com>

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```

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```
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## 1.157 cryptsetup 2.0.2-1ubuntu1

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## 1.160 json-c 0.99.8 2

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## 1.164 tdb 1.3.15-2

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# 1.165 eclipse-core-commands 3.6.0

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This package was debianized by Nathan Scott nathans@debian.org on

Tue, 26 Feb 2002 13:25:26 +1100

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### 1.167.1 Available under license :

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```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<!--NewPage-->
<HTML>
<HEAD>
<!-- Generated by javadoc (build 1.6.0_65) on Tue Apr 29 23:14:35 EDT 2014 -->
<TITLE>
Permissions.Permission (Apache Ant API)
</TITLE>

<META NAME="date" CONTENT="2014-04-29">

<LINK REL="stylesheet" TYPE="text/css" HREF="../../../../stylesheet.css" TITLE="Style">

<SCRIPT type="text/javascript">
function windowTitle()
{
    if (location.href.indexOf('is-external=true') == -1) {
        parent.document.title="Permissions.Permission (Apache Ant API)";
    }
}
</SCRIPT>
<NOSCRIPT>
</NOSCRIPT>

</HEAD>

<BODY BGCOLOR="white" onload="windowTitle();">
<HR>

<!-- ===== START OF TOP NAVBAR ===== -->
<A NAME="navbar_top"><!-- --></A>
<A HREF="#skip-navbar_top" title="Skip navigation links"></A>
<TABLE BORDER="0" WIDTH="100%" CELLPADDING="1" CELLSPACING="0" SUMMARY="">
<TR>
<TD COLSPAN=2 BGCOLOR="#EEEEFF" CLASS="NavBarCell1">
<A NAME="navbar_top_firstrow"><!-- --></A>
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<TR ALIGN="center" VALIGN="top">
<TD BGCOLOR="#EEEEFF" CLASS="NavBarCell1"> <A HREF="../../../../overview-
```

```

summary.html"><FONT CLASS="NavBarFont1"><B>Overview</B></FONT></A>&nbsp;</TD>
<TD BGCOLOR="#EEEEFF" CLASS="NavBarCell1"> <A HREF="package-summary.html"><FONT
CLASS="NavBarFont1"><B>Package</B></FONT></A>&nbsp;</TD>
<TD BGCOLOR="#FFFFFF" CLASS="NavBarCell1Rev"> &nbsp;<FONT
CLASS="NavBarFont1Rev"><B>Class</B></FONT>&nbsp;</TD>
<TD BGCOLOR="#EEEEFF" CLASS="NavBarCell1"> <A HREF="package-tree.html"><FONT
CLASS="NavBarFont1"><B>Tree</B></FONT></A>&nbsp;</TD>
<TD BGCOLOR="#EEEEFF" CLASS="NavBarCell1"> <A HREF="../../../../deprectated-list.html"><FONT
CLASS="NavBarFont1"><B>Deprectated</B></FONT></A>&nbsp;</TD>
<TD BGCOLOR="#EEEEFF" CLASS="NavBarCell1"> <A HREF="../../../../index-all.html"><FONT
CLASS="NavBarFont1"><B>Index</B></FONT></A>&nbsp;</TD>
<TD BGCOLOR="#EEEEFF" CLASS="NavBarCell1"> <A HREF="../../../../help-doc.html"><FONT
CLASS="NavBarFont1"><B>Help</B></FONT></A>&nbsp;</TD>
</TR>
</TABLE>
</TD>
<TD ALIGN="right" VALIGN="top" ROWSPAN=3<EM>
</EM>
</TD>
</TR>

<TR>
<TD BGCOLOR="white" CLASS="NavBarCell2"><FONT SIZE="-2">
&nbsp;<A HREF="../../../../org/apache/tools/ant/types/Permissions.html" title="class in
org.apache.tools.ant.types"><B>PREV CLASS</B></A>&nbsp; 
&nbsp;<A HREF="../../../../org/apache/tools/ant/types/PropertySet.html" title="class in
org.apache.tools.ant.types"><B>NEXT CLASS</B></A></FONT></TD>
<TD BGCOLOR="white" CLASS="NavBarCell2"><FONT SIZE="-2">
<A HREF="../../../../index.html?org/apache/tools/ant/types/Permissions.Permission.html"
target="_top"><B>FRAMES</B></A> &nbsp; 
&nbsp;<A HREF="Permissions.Permission.html" target="_top"><B>NO FRAMES</B></A> &nbsp; 
&nbsp;<SCRIPT type="text/javascript">
<!--
if(window==top) {
  document.writeln('<A HREF="../../../../allclasses-noframe.html"><B>All Classes</B></A>');
}
//-->
</SCRIPT>
<NOSCRIPT>
<A HREF="../../../../allclasses-noframe.html"><B>All Classes</B></A>
</NOSCRIPT>

</FONT></TD>
</TR>
<TR>
<TD VALIGN="top" CLASS="NavBarCell3"><FONT SIZE="-2">
SUMMARY:&nbsp;&nbsp;NESTED&nbsp;&nbsp;|&nbsp;&nbsp;FIELD&nbsp;&nbsp;|&nbsp;&nbsp;<A

```

```

    HREF="#constructor_summary">CONSTR</A>&nbsp;&nbsp;&nbsp;<A
    HREF="#method_summary">METHOD</A></FONT></TD>
<TD VALIGN="top" CLASS="NavBarCell3"><FONT SIZE="-2">
    DETAIL:&nbsp;&nbsp;&nbsp;FIELD&nbsp;&nbsp;&nbsp;<A HREF="#constructor_detail">CONSTR</A>&nbsp;&nbsp;&nbsp;<A
    HREF="#method_detail">METHOD</A></FONT></TD>
</TR>
</TABLE>
<A NAME="skip-navbar_top"></A>
<!-- ===== END OF TOP NAVBAR ===== -->

```

```

<HR>
<!-- ===== START OF CLASS DATA ===== -->
<H2>
<FONT SIZE="-1">
org.apache.tools.ant.types</FONT>
<BR>
Class Permissions.Permission</H2>
<PRE>
java.lang.Object
<IMG SRC="../../../../resources/inherit.gif" ALT="extended by
"><B>org.apache.tools.ant.types.Permissions.Permission</B>
</PRE>
<DL>
<DT><B>Enclosing class:</B><DD><A HREF="../../../../org/apache/tools/ant/types/Permissions.html"
title="class in org.apache.tools.ant.types">Permissions</A></DD>
</DL>
<HR>
<DL>
<DT><PRE>public static class <B>Permissions.Permission</B><DT>extends java.lang.Object</DL>
</PRE>

```

```

<P>
Represents a permission.
<P>

```

```

<P>
<HR>

```

```

<P>

```

```

<!-- ===== CONSTRUCTOR SUMMARY ===== -->

```

```

<A NAME="constructor_summary"><!-- --></A>
<TABLE BORDER="1" WIDTH="100%" CELLPADDING="3" CELLSPACING="0" SUMMARY="">
<TR BGCOLOR="#CCCCFF" CLASS="TableHeadingColor">
<TH ALIGN="left" COLSPAN="2"><FONT SIZE="+2">
<B>Constructor Summary</B></FONT></TH>
</TR>

```





<TD><CODE>clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait</CODE></TD>  
</TR>  
</TABLE>  
&nbsp;  
<P>

<!-- ===== CONSTRUCTOR DETAIL ===== -->

<A NAME="constructor\_detail"><!-- --></A>  
<TABLE BORDER="1" WIDTH="100%" CELLPADDING="3" CELLSPACING="0" SUMMARY="">  
<TR BGCOLOR="#CCCCFF" CLASS="TableHeadingColor">  
<TH ALIGN="left" COLSPAN="1"><FONT SIZE="+2">  
<B>Constructor Detail</B></FONT></TH>  
</TR>  
</TABLE>

<A NAME="Permissions.Permission()"><!-- --></A><H3>  
Permissions.Permission</H3>  
<PRE>  
public <B>Permissions.Permission</B>()</PRE>  
<DL>  
</DL>

<!-- ===== METHOD DETAIL ===== -->

<A NAME="method\_detail"><!-- --></A>  
<TABLE BORDER="1" WIDTH="100%" CELLPADDING="3" CELLSPACING="0" SUMMARY="">  
<TR BGCOLOR="#CCCCFF" CLASS="TableHeadingColor">  
<TH ALIGN="left" COLSPAN="1"><FONT SIZE="+2">  
<B>Method Detail</B></FONT></TH>  
</TR>  
</TABLE>

<A NAME="setClass(java.lang.String)"><!-- --></A><H3>  
setClass</H3>  
<PRE>  
public void <B>setClass</B>(java.lang.String&nbsp;aClass)</PRE>  
<DL>  
<DD>Set the class, mandatory.  
<P>  
<DD><DL>  
<DT><B>Parameters:</B><DD><CODE>aClass</CODE> - The class name of the permission.</DL>  
</DD>  
</DL>  
<HR>

<A NAME="getClassName()"><!-- --></A><H3>  
getClassName</H3>

<PRE>  
public java.lang.String <B>getClassName</B>()</PRE>

<DL>

<DD>Get the class of the permission.

<P>

<DD><DL>

<DT><B>Returns:</B><DD>The class name of the permission.</DL>

</DD>

</DL>

<HR>

<A NAME="setName(java.lang.String)"><!-- --></A><H3>

setName</H3>

<PRE>

public void <B>setName</B>(java.lang.String aName)</PRE>

<DL>

<DD>Set the name of the permission.

<P>

<DD><DL>

<DT><B>Parameters:</B><DD><CODE>aName</CODE> - The name of the permission.</DL>

</DD>

</DL>

<HR>

<A NAME="getName()"><!-- --></A><H3>

getName</H3>

<PRE>

public java.lang.String <B>getName</B>()</PRE>

<DL>

<DD>Get the name of the permission.

<P>

<DD><DL>

<DT><B>Returns:</B><DD>The name of the permission.</DL>

</DD>

</DL>

<HR>

<A NAME="setActions(java.lang.String)"><!-- --></A><H3>

setActions</H3>

<PRE>

public void <B>setActions</B>(java.lang.String actions)</PRE>

<DL>

<DD>Set the actions.

<P>

<DD><DL>

<DT><B>Parameters:</B><DD><CODE>actions</CODE> - The actions of the permission.</DL>



</DD>

</DL>

<HR>

<A NAME="getActions()"><!-- --></A><H3>

getActions</H3>

<PRE>

public java.lang.String <B>getActions</B>()</PRE>

<DL>

<DD>Get the actions.

<P>

<DD><DL>

<DT><B>Returns:</B><DD>The actions of the permission.</DL>

</DD>

</DL>

<HR>

<A NAME="toString()"><!-- --></A><H3>

toString</H3>

<PRE>

public java.lang.String <B>toString</B>()</PRE>

<DL>

<DD>Get a string description of the permissions.

<P>

<DD><DL>

<DT><B>Overrides:</B><DD><CODE>toString</CODE> in class <CODE>java.lang.Object</CODE></DL>

</DD>

<DD><DL>

<DT><B>Returns:</B><DD>string description of the permissions.</DL>

</DD>

</DL>

<!-- ===== END OF CLASS DATA ===== -->

<HR>

<!-- ===== START OF BOTTOM NAVBAR ===== -->

<A NAME="navbar\_bottom"><!-- --></A>

<A HREF="#skip-navbar\_bottom" title="Skip navigation links"></A>

<TABLE BORDER="0" WIDTH="100%" CELLPADDING="1" CELLSPACING="0" SUMMARY="">

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<TD COLSPAN=2 BGCOLOR="#EEEEFF" CLASS="NavBarCell1">

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<TABLE BORDER="0" CELLPADDING="0" CELLSPACING="3" SUMMARY="">

<TR ALIGN="center" VALIGN="top">

<TD BGCOLOR="#EEEEFF" CLASS="NavBarCell1"> <A HREF=" ../..../overview-

summary.html"><FONT CLASS="NavBarFont1"><B>Overview</B></FONT></A>&nbsp;</TD>

```

<TD BGCOLOR="#EEEEFF" CLASS="NavBarCell1"> <A HREF="package-summary.html"><FONT
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</TR>
</TABLE>
</TD>
<TD ALIGN="right" VALIGN="top" ROWSPAN=3><EM>
</EM>
</TD>
</TR>

<TR>
<TD BGCOLOR="white" CLASS="NavBarCell2"><FONT SIZE="-2">
&nbsp;<A HREF="../../../../org/apache/tools/ant/types/Permissions.html" title="class in
org.apache.tools.ant.types"><B>PREV CLASS</B></A>&nbsp;
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&nbsp;<A HREF="Permissions.Permission.html" target="_top"><B>NO FRAMES</B></A> &nbsp;
&nbsp;<SCRIPT type="text/javascript">
<!--
if(window==top) {
  document.writeln('<A HREF="../../../../allclasses-noframe.html"><B>All Classes</B></A>');
}
//-->
</SCRIPT>
<NOSCRIPT>
<A HREF="../../../../allclasses-noframe.html"><B>All Classes</B></A>
</NOSCRIPT>

</FONT></TD>
</TR>
<TR>
<TD VALIGN="top" CLASS="NavBarCell3"><FONT SIZE="-2">
SUMMARY:&nbsp;<A HREF="#">NESTED</A>&nbsp;<A HREF="#">FIELD</A>&nbsp;<A HREF="#">CONSTR</A>&nbsp;<A HREF="#">

```



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\* \$Header: /opt/shared/tmp/checkstyle-cvsbackup/checkstyle/LICENSE.apache,v 1.2 2002-02-04 12:40:53 oburn

Exp \$

\* \$Revision: 1.2 \$

\* \$Date: 2002-02-04 12:40:53 \$

\*

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 \* \$Header: /opt/shared/tmp/checkstyle-cvsbackup/checkstyle/LICENSE.apache,v 1.2 2002-02-04 12:40:53 oburn  
 Exp \$  
 \* \$Revision: 1.2 \$  
 \* \$Date: 2002-02-04 12:40:53 \$  
 \*

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```

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
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That's all there is to it!

```
/*
```

```
* $Header: /opt/shared/tmp/checkstyle-  
cvsbackup/checkstyle/contrib/examples/checks/com/puppcrawl/tools/checkstyle/checks/xpath/saxpath_LICENSE.t
```

xt,v 1.1 2003-07-23 14:22:41 rickgiles Exp \$

\* \$Revision: 1.1 \$

\* \$Date: 2003-07-23 14:22:41 \$

\*

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it

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

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

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

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

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

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

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

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

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

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Version 2.1, February 1999

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

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

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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



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```

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 * $Header: /opt/shared/tmp/checkstyle-cvsbackup/checkstyle/LICENSE.apache,v 1.2 2002-02-04 12:40:53 oburn
 * Exp $
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## 1.169 tcp-wrapper 7.6.q-27



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# 1.175 gamin 0.1.10 4.1ubuntu1

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## 1.176 pyyaml 3.12-1build2

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# 1.179 ubuntu-meta 1.417

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## 1.180 paramiko 2.0.0-1ubuntu1.2

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## 1.187 jline 2.11

# 1.188 ntfs-3g 2017.3.23 2ubuntu0.18.04.2

## 1.188.1 Available under license :

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# 1.192 python-cryptography 2.1.4 1ubuntu1.2

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## 1.193 alsa-lib 1.1.3 5

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Upstream-Name: alsa-utils

Upstream-Contact: Jarsolav Kysela <perex@suse.cz>

Source: <ftp://ftp.alsa-project.org/pub/lib>

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```
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```

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```
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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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From liam.r.girdwood@linux.intel.com Tue Jan 24 15:59:16 2017

Return-Path: <liam.r.girdwood@linux.intel.com>

Delivered-To: jordi@mallach.net

Received: from mailly.debian.org (mailly.debian.org

[IPv6:2001:41b8:202:deb:6564:a62:52c3:4b72]) by tempesta.oskuro.net

(Postfix) with ESMTPS id AC49F851E5 for <jordi@mallach.net>; Tue, 24 Jan

2017 15:59:16 +0100 (CET)

Received: from mga03.intel.com ([134.134.136.65])  
by mailly.debian.org with esmtps (TLS1.2:ECDHE\_RSA\_AES\_256\_GCM\_SHA384:256)  
(Exim 4.84\_2)  
(envelope-from <liam.r.girdwood@linux.intel.com>)  
id 1cW2Z1-0003Ok-6u  
for jordi@mallach.net; Tue, 24 Jan 2017 14:59:15 +0000  
Received: from fmsmga003.fm.intel.com ([10.253.24.29])  
by orsmga103.jf.intel.com with ESMTP; 24 Jan 2017 06:59:11 -0800  
X-ExtLoop1: 1  
X-IronPort-AV: E=Sophos;i="5.33,278,1477983600";  
d="scan'208";a="812723074"  
Received: from rkinsell-mobl.ger.corp.intel.com (HELO [10.252.0.71])  
([10.252.0.71]) by FMSMGA003.fm.intel.com with ESMTP; 24 Jan 2017 06:59:10  
-0800  
Message-ID: <1485269948.2625.50.camel@loki>  
Subject: [PATCH] topology: Fix incorrect license in source comments.  
From: Liam Girdwood <liam.r.girdwood@linux.intel.com>  
To: Takashi Iwai <tiwai@suse.de>  
Cc: "alsa-devel@alsa-project.org" <alsa-devel@alsa-project.org>, Jordi  
Mallach <jordi@debian.org>  
Date: Tue, 24 Jan 2017 14:59:08 +0000  
Content-Type: text/plain; charset="UTF-8"  
X-Mailer: Evolution 3.10.4-0ubuntu2  
Mime-Version: 1.0  
X-Greylist: delayed 1269 seconds by postgrey-1.35 at mailly; Tue, 24 Jan  
2017 14:59:15 UTC  
X-Virus-Scanned: clamav-milter 0.99.2 at tempesta  
X-Virus-Status: Clean  
X-CRM114-Version: 20100106-BlameMichelson ( TRE 0.8.0 (BSD) ) MR-27CA1CFB  
X-CRM114-CacheID: sfid-20170124\_155916\_844430\_758DE97E  
X-CRM114-Status: UNSURE ( 3.34 )  
X-CRM114-Notice: Please train this message.  
X-Evolution-Source: 1366932344.28278.16@penyagolosa  
Content-Transfer-Encoding: 8bit

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as specified in the alsa-lib COPYING file.

Signed-off-by: Liam Girdwood <liam.r.girdwood@linux.intel.com>

---

src/topology/builder.c | 17 ++++++++-----

src/topology/channel.c | 17 ++++++++-----

src/topology/ctl.c | 17 ++++++++-----

```
src/topology/dapm.c | 17 ++++++-----
src/topology/data.c | 17 ++++++-----
src/topology/elem.c | 17 ++++++-----
src/topology/ops.c | 17 ++++++-----
src/topology/parser.c | 17 ++++++-----
src/topology/pcm.c | 17 ++++++-----
src/topology/text.c | 17 ++++++-----
10 files changed, 90 insertions(+), 80 deletions(-)
```

```
diff --git a/src/topology/builder.c b/src/topology/builder.c
```

```
index 20fa925..dcd9e2a 100644
```

```
--- a/src/topology/builder.c
```

```
+++ b/src/topology/builder.c
```

```
@@ -2,14 +2,15 @@
```

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```
Authors: Mengdong Lin <mengdong.lin@intel.com>
```

```
Yao Jin <yao.jin@intel.com>
```

```
diff --git a/src/topology/channel.c b/src/topology/channel.c
```

```
index c2f1fea..8516b23 100644
```

```
--- a/src/topology/channel.c
```

```
+++ b/src/topology/channel.c
```

```
@@ -2,14 +2,15 @@
```

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diff --git a/src/topology/ctl.c b/src/topology/ctl.c

index 907a97f..1da3d18 100644

--- a/src/topology/ctl.c

+++ b/src/topology/ctl.c

@@ -2,14 +2,15 @@

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diff --git a/src/topology/dapm.c b/src/topology/dapm.c

index 8c585a7..eef72bb 100644

--- a/src/topology/dapm.c

+++ b/src/topology/dapm.c

@@ -2,14 +2,15 @@

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diff --git a/src/topology/data.c b/src/topology/data.c

index 0d5c430..e2aa38c 100644

--- a/src/topology/data.c

+++ b/src/topology/data.c

@@ -2,14 +2,15 @@

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diff --git a/src/topology/elem.c b/src/topology/elem.c

index db26483..efcf3e9 100644

--- a/src/topology/elem.c

+++ b/src/topology/elem.c

@@ -2,14 +2,15 @@

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diff --git a/src/topology/ops.c b/src/topology/ops.c

index 1b5c1e2..6f8dc1f 100644

--- a/src/topology/ops.c

+++ b/src/topology/ops.c

@@ -2,14 +2,15 @@

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diff --git a/src/topology/parser.c b/src/topology/parser.c

index c5f9757..cfc20e0 100644

--- a/src/topology/parser.c

+++ b/src/topology/parser.c

@@ -2,14 +2,15 @@

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diff --git a/src/topology/pcm.c b/src/topology/pcm.c

index 8f8a703..5568d57 100644

--- a/src/topology/pcm.c

+++ b/src/topology/pcm.c

@@ -2,14 +2,15 @@

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diff --git a/src/topology/text.c b/src/topology/text.c

index 303fbef..c8a6887 100644

--- a/src/topology/text.c

+++ b/src/topology/text.c

@@ -2,14 +2,15 @@

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# 1.194 eclipse-core-contenttype 3.4.100

## 1.195 libsigar 1.6.2

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# 1.196 commons-codec 1.10

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## 1.198 gconf 3.2.6 3ubuntu6

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## 1.199 eclipse-equinox-common 3.6.0

## 1.200 audit 2.8.2 1ubuntu1

## 1.200.1 Available under license :

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Source: <https://people.redhat.com/sgrubb/audit/>

Files: \*

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## 1.202 snappy-java 1.1.7.1

## 1.203 xz 5.2.2 1.3

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## 1.204 animal-sniffer-annotation 1.14

## 1.205 lua 5.2.4-1.1build1

## 1.206 libartlgpl 2.3.21-3

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

That's all there is to it!  
noinst\_PROGRAMS = testart testuta

bin\_SCRIPTS = \  
libart2-config

noinst\_SCRIPTS = gen\_art\_config.sh

BUILT\_SOURCES = art\_config.h

art\_config.h:  
./gen\_art\_config.sh > art\_config.h

EXTRA\_DIST = \  
libart.def \  
libart-config.in \

```

libart-2.0.pc.in \
libart-2.0-uninstalled.pc.in

lib_LTLIBRARIES = libart_lgpl_2.la

if PLATFORM_WIN32
no_undefined = -no-undefined
endif

if OS_WIN32
export_symbols = -export-symbols libart.def

install-libtool-import-lib:
$(INSTALL) .libs/libart_lgpl_2.dll.a $(DESTDIR)$(libdir)
uninstall-libtool-import-lib:
-rm $(DESTDIR)$(libdir)/libart_lgpl_2.dll.a
else
install-libtool-import-lib:
uninstall-libtool-import-lib:

libm = -lm
endif

if MS_LIB_AVAILABLE
noinst_DATA = art_lgpl_2.lib

install-ms-lib:
$(INSTALL) art_lgpl_2.lib $(DESTDIR)$(libdir)

uninstall-ms-lib:
-rm $(DESTDIR)$(libdir)/art_lgpl_2.lib

art_lgpl_2.lib : libart_lgpl_2.la
lib -name:libart_lgpl_2-@LIBART_MAJOR_VERSION@.dll -def:libart.def -out:$@

else
install-ms-lib:
uninstall-ms-lib:
endif

libart_lgpl_2_la_SOURCES = \
art_affine.c \
art_alphagamma.c \
art_bpath.c \
art_gray_svp.c \
art_misc.c \
art_pixbuf.c \
art_rect.c \

```

art\_rect\_svp.c \  
art\_rect\_uta.c \  
art\_render.c \  
art\_render\_gradient.c \  
art\_render\_mask.c \  
art\_render\_svp.c \  
art\_rgb.c \  
art\_rgb\_affine.c \  
art\_rgb\_affine\_private.c \  
art\_rgb\_affine\_private.h \  
art\_rgb\_bitmap\_affine.c \  
art\_rgb\_pixbuf\_affine.c \  
art\_rgb\_rgba\_affine.c \  
art\_rgb\_a\_affine.c \  
art\_rgba.c \  
art\_rgb\_svp.c \  
art\_svp.c \  
art\_svp\_intersect.c \  
art\_svp\_ops.c \  
art\_svp\_point.c \  
art\_svp\_render\_aa.c \  
art\_svp\_vpath.c \  
art\_svp\_vpath\_stroke.c \  
art\_svp\_wind.c \  
art\_uta.c \  
art\_uta\_ops.c \  
art\_uta\_rect.c \  
art\_uta\_vpath.c \  
art\_uta\_svp.c \  
art\_vpath.c \  
art\_vpath\_bpath.c \  
art\_vpath\_dash.c \  
art\_vpath\_svp.c \  
libart-features.c

libart\_lgpl\_2\_la\_LDFLAGS = -version-info @LIBART\_VERSION\_INFO@ \$(no\_undefined) \$(export\_symbols)

libart\_lgpl\_2\_la\_LIBADD = \$(libm)

libart\_lgplincdir = \$(includedir)/libart-2.0/libart\_lgpl

libart\_lgplinc\_HEADERS = \  
art\_affine.h \  
art\_alphagamma.h \  
art\_bpath.h \  
art\_config.h \  
art\_filterlevel.h \  
art\_gray\_svp.h \  
art\_misc.h \  
art\_pathcode.h \  
art\_pathcode.h \  
art\_pathcode.h \  
art\_pathcode.h \  
art\_pathcode.h \  
art\_pathcode.h \  
art\_pathcode.h

art\_pixbuf.h \  
art\_point.h \  
art\_rect.h \  
art\_rect\_svp.h \  
art\_rect\_uta.h \  
art\_render.h \  
art\_render\_gradient.h \  
art\_render\_mask.h \  
art\_render\_svp.h \  
art\_rgb.h \  
art\_rgb\_affine.h \  
art\_rgb\_bitmap\_affine.h \  
art\_rgb\_pixbuf\_affine.h \  
art\_rgb\_rgba\_affine.h \  
art\_rgb\_a\_affine.h \  
art\_rgb\_svp.h \  
art\_rgba.h \  
art\_svp.h \  
art\_svp\_intersect.h \  
art\_svp\_ops.h \  
art\_svp\_point.h \  
art\_svp\_render\_aa.h \  
art\_svp\_vpath.h \  
art\_svp\_vpath\_stroke.h \  
art\_svp\_wind.h \  
art\_uta.h \  
art\_uta\_ops.h \  
art\_uta\_rect.h \  
art\_uta\_vpath.h \  
art\_uta\_svp.h \  
art\_vpath.h \  
art\_vpath\_bpath.h \  
art\_vpath\_dash.h \  
art\_vpath\_svp.h \  
libart.h \  
libart-features.h

INCLUDES = -I\$(top\_srcdir) -I\$(top\_builddir) -DLIBART\_COMPILATION

DEPS = \$(top\_builddir)/libart\_lgpl\_2.la

LDADDS = \$(top\_builddir)/libart\_lgpl\_2.la

teststart\_SOURCES=teststart.c

teststart\_LDFLAGS =

teststart\_DEPENDENCIES = \$(DEPS)

teststart\_LDADD = \$(LDADDS) \$(libm)

testtuta\_SOURCES=testtuta.c



```
testuta_LDFLAGS =
testuta_DEPENDENCIES = $(DEPS)
testuta_LDADD = $(LDADDS) $(libm)

tests: teststart testuta

pkgconfigdir = $(libdir)/pkgconfig
pkgconfig_DATA = libart-2.0.pc

libart2-config: libart-config
cp -f libart-config libart2-config

install-data-local: install-ms-lib install-libtool-import-lib

uninstall-local: uninstall-ms-lib uninstall-libtool-import-lib

CLEANFILES = $(BUILT_SOURCES) $(bin_SCRIPTS)
DISTCLEANFILES = $(BUILT_SOURCES) $(bin_SCRIPTS)
```

## 1.207 lyra 0.5.2

## 1.208 libfile-copy-recursive-perl 0.40 1

### 1.208.1 Available under license :

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## 1.209 jnr-enxio 0.16

## 1.210 upstart 1.13.2-0ubuntu21

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## 1.212 cg-manager 0.39-2ubuntu5

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## 1.213.1 Available under license :

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# 1.214 libpng 1.6.34 1ubuntu0.18.04.2

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pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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```
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 * $Revision: 1364 $
 * $Date: 2011-07-30 05:46:45 -0400 (Sat, 30 Jul 2011) $
 *
 * =====
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*
* $Id: DocumentNavigator.java 1364 2011-07-30 09:46:45Z elharo $
*/

```

# 1.216 mime-support 3.60ubuntu1

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

Source: <git://anonscm.debian.org/collab-maint/mime-support.git>

Files: \*

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Comment: Author: Nathaniel S. Borenstein

## 1.217 paranamer 2.3

## 1.218 antlr 3.5.0.2

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## 1.219 gcc 5.4.0 6ubuntu1~16.04.10

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked

with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

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

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

permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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

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16/gnu/javax/sound/AudioSecurityManager$Permissionjava/lang/EnumPLAY1Lgnu/javax/sound/AudioSecurityMa
anager$Permission;RECORDALLENUM$VALUES2[Lgnu/javax/sound/AudioSecurityManager$Permission;<clinit
>()VCode
<init>(Ljava/lang/String;I)V
LineNumberTableLocalVariableTable
thisvalues4()[Lgnu/javax/sound/AudioSecurityManager$Permission;
$&%java/lang/System'(
arraycopy*(Ljava/lang/Object;ILjava/lang/Object;II)VvalueOfE(Ljava/lang/String;)Lgnu/javax/sound/AudioSecurit
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@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License

@center Version 2.1, February 1999

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@appendixsubsec Preamble

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

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

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

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

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

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

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

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

@iftex

@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end ifinfo

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

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

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

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

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

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

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

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

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

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

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Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining

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@page

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@smallexample

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

Ty Coon, President of Vice

@end smallexample

That's all there is to it!

ljava/security/acl/Permissionjava/lang/Objectequals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;  
SourceFilePermission.java

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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Ty Coon, President of Vice

That's all there is to it!

```
I[java/security/Permissionjava/lang/Objectjava/security/Guardjava/io/SerializableserialVersionUIDJ
ConstantValue?(WQ~nameLjava/lang/String;<init>(Ljava/lang/String;)VCode
()V LineNumberTableLocalVariableTablethisLjava/security/Permission;
checkGuard(Ljava/lang/Object;)V
! java/lang/System"#getSecurityManager()Ljava/lang/SecurityManager;
%'&java/lang/SecurityManager()checkPermission(Ljava/security/Permission;)VobjLjava/lang/Object;smLjava/lang/
SecurityManager;implies(Ljava/security/Permission;)Zequals(Ljava/lang/Object;)ZhashCode()IgetName()Ljava/lan
g/String;
getActionsnewPermissionCollection&()Ljava/security/PermissionCollection;toString;gnu/java/lang/CPStringBuilder
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BCDgetClass()Ljava/lang/Class;
FHGjava/lang/Class45
:J?K3(Ljava/lang/String;)Lgnu/java/lang/CPStringBuilder;
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N65P
RTSjava/lang/String01
:V95stringLgnu/java/lang/CPStringBuilder;
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" +7>GNSKWXYZ

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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David Megginson, sax@megginson.com  
1998-05-11

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

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

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  xml:id="appendix.gpl-3.0"><info><title>
  <acronym>GNU</acronym> General Public License version 3
</title></info>
<?dbhtml filename="appendix_gpl.html"?>
```

```
<para>
```

Version 3, 29 June 2007

```
</para>
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```
</para>
```

```
<bridgehead xml:id="gpl-3-preamble" renderas="sect1">
```

Preamble

```
</bridgehead>
```

```
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```

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</para>

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</para>

<para>

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

</para>

<bridgehead>

TERMS AND CONDITIONS

</bridgehead>

<bridgehead xml:id="gpl-3-definitions" renderas="sect1">

0. Definitions.

</bridgehead>

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</para>

<para>

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</para>

<para>

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</para>

<para>

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</para>

<para>

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</para>

<bridgehead xml:id="SourceCode" renderas="sect1">

1. Source Code.

</bridgehead>

<para>

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

</para>

<para>

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

</para>

<para>

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

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</para>

<para>

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</para>

<para>

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

</para>

<para>

The Corresponding Source for a work in source code form is that same work.

</para>

<bridgehead xml:id="BasicPermissions" renderas="sect1">

2. Basic Permissions.

</bridgehead>

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</para>

<para>

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</para>

<bridgehead xml:id="Protecting" renderas="sect1">

3. Protecting Users Legal Rights From Anti-Circumvention Law.

</bridgehead>

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</para>

<bridgehead xml:id="ConveyingVerbatim" renderas="sect1">

4. Conveying Verbatim Copies.

</bridgehead>

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</para>

<para>

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</para>

<bridgehead xml:id="ConveyingModified" renderas="sect1">

5. Conveying Modified Source Versions.

</bridgehead>

<para>

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

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<para>

The work must carry prominent notices stating that you modified it, and giving a relevant date.

</para>

</listitem>

<listitem>

<para>

The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to keep intact all notices.

</para>

</listitem>

<listitem>

<para>

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</listitem>

<listitem>

<para>

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</para>

</listitem>

</orderedlist>

<para>

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</para>

<bridgehead xml:id="ConveyingNonSource" renderas="sect1">

6. Conveying Non-Source Forms.

</bridgehead>

<para>

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</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

</para>

</listitem>

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<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

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<para>

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.

</para>

</listitem>

</orderedlist>

<para>

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

</para>

<para>

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</para>

<para>

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

</para>

<para>

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation

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</para>

<para>

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</para>

<para>

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

</para>

<bridgehead xml:id="AdditionalTerms" renderas="sect1">

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</bridgehead>

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</para>

<bridgehead xml:id="gpl-3-termination" renderas="sect1">

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</bridgehead>

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<bridgehead xml:id="AcceptanceNotRequired" renderas="sect1">

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<screen>

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</para>

<para>

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</para>

<screen>

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</para>

</appendix>



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<simpara>

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<bridgehead xml:id="fdl-1-section10" renderas="sect2">

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</bridgehead>

<simpara>

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</simpara>

<bridgehead xml:id="fdl-1-addendum" renderas="sect2">

ADDENDUM: How to use this License for your documents

</bridgehead>

<simpara>

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</simpara>

</appendix>

License

There are two licenses affecting GNU libstdc++: one for the code, and one for the documentation.

There is a license section in the FAQ regarding common questions. If you have more questions, ask the FSF or the gcc mailing list.

The Code: GPL

The source code is distributed under the GNU General Public License version 3, with the addition under section 7 of an exception described in the "GCC Runtime Library Exception, version 3.1" as follows (or see the file COPYING.RUNTIME):

## GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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This GCC Runtime Library Exception ("Exception") is an additional

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When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

## 0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

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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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## 2. No Weakening of GCC Copyleft.

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```
#!/usr/bin/python
#
# Copyright (C) 2013 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
# Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
```

```

# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

```

```

import os
import re
import sys
import time
import subprocess

```

```

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ': ' + string
            sys.stderr.write (string + '\n')
            self.num_errors += 1

    def ok (self):
        return self.num_errors == 0

```

```

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()

```

```

self.own_files = set()

self.skip_files |= set ([
    # Skip licence files.
    'COPYING',
    'COPYING.LIB',
    'COPYING3',
    'COPYING3.LIB',
    'LICENSE',
    'fdl.texi',
    'gpl_v3.texi',
    'fdl-1.3.xml',
    'gpl-3.0.xml',

    # Skip auto- and libtool-related files
    'aclocal.m4',
    'compile',
    'config.guess',
    'config.sub',
    'depcomp',
    'install-sh',
    'libtool.m4',
    'ltmain.sh',
    'ltoptions.m4',
    'ltsugar.m4',
    'ltversion.m4',
    'lt~obsolete.m4',
    'missing',
    'mkdep',
    'mkinstalldirs',
    'move-if-change',
    'shlibpath.m4',
    'symlink-tree',
    'ylwrap',

    # Skip FSF mission statement, etc.
    'gnu.texi',
    'funding.texi',
    'appendix_free.xml',

    # Skip imported texinfo files.
    'texinfo.tex',
])

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.

```

```

        return re.compile ('\t')

return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

        # Skip files produced by autogen
        if (os.path.exists (base + '.def')
            and os.path.exists (base + '.tpl')):
            return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

```



```

# Characters in a range of years. Include '.' for typos.
ranges = '[0-9](?:[-0-9.,\s])\s+and\s+[0-9]'

# Non-whitespace characters in a copyright holder's name.
name = '[\w.,-]'

# Matches one year.
self.year_re = re.compile('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile(ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile (
    # 1: 'Copyright (C)', etc.
    '([Cc]opyright'
    '[Cc]opyright\s+\([Cc]\)'
    '[Cc]opyright\s+%s'
    '[Cc]opyright\s+&copy;'
    '[Cc]opyright\s+@copyright{ }'
    'copyright = u\"
    '@set\s+copyright[\w-]+)'

    # 2: the years. Include the whitespace in the year, so that
    # we can remove any excess.
    '(\s*(?:' + ranges + ',?)'
    '@value\{[\^{}]*\})\s*')

    # 3: 'by ', if used
    '(by\s+)?'

    # 4: the copyright holder. Don't allow multiple consecutive
    # spaces, so that right-margin gloss doesn't get caught
    # (e.g. gnat_u gn.texi).
    '(' + name + '(?:\s? + name + ')*?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
re.IGNORECASE)

self.comment_re = re.compile('#+[*]+;+|%+//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

```

```

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ''

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

```

```

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years

    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != "":
            self.errors.report (pathname,
                                'trailing characters in @set: '
                                + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete (match):
            try:

```

```

        next_line = file.next()
except StopIteration:
    break

# If the next line doesn't look like a proper continuation,
# assume that what we've got is complete.
continuation = self.strip_continuation (next_line)
if not self.continuation_re.match (continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
                        'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
           + canon_form
           + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

```

```

# Update the copyright years.
years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
        + (' if intro.startswith ('copyright = ') else ' ')
        + canon_form + self.separator
        + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += '(C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:

```

```

        res = self.update_copyright (dir, filename, filter,
                                    file, line, match)
        (this_changed, line, next_line) = res
        changed = changed or this_changed

    # Check for copyright lines that might have slipped by.
    elif self.other_copyright_re.search (line):
        self.errors.report (pathname,
                            'unrecognised copyright: %s'
                            % line.strip())
    lines.append (line)
    line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
    if self.use_quilt:
        subprocess.call (['quilt', 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s\n'
                                  % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

```

```

self.add_option('--help', 'Print this help', self.o_help)
self.add_option('--quilt', '"quilt add" files before changing them',
                self.o_quilt)
self.add_option('--this-year', 'Add the current year to every notice',
                self.o_this_year)

def add_option(self, name, help, handler):
    self.option_help.append((name, help))
    self.option_handlers[name] = handler

def add_dir(self, dir, filter = GenericFilter()):
    self.dirs.append((dir, filter))

def o_help(self, option = None):
    sys.stdout.write('Usage: %s [options] dir1 dir2...\n\n'
                    'Options:\n' % sys.argv[0])
    format = '%-15s %s\n'
    for (what, help) in self.option_help:
        sys.stdout.write(format % (what, help))
    sys.stdout.write('\nDirectories:\n')

    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len(self.dirs):
            sys.stdout.write(dir + '\n')
        else:
            sys.stdout.write(format % dir)
    sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[1] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs

```

```

if len (self.chosen_dirs) == 0:
    self.o_help()
else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, "")
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith (canon_dir):
                count += 1
                self.copyright.process_tree (dir, filter)
        if count == 0:
            self.errors.report (None, 'unrecognised directory: '
                                + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#-----

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
        return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_files |= set ([
        # Not part of GCC
        'math-68881.h',
    ])

    self.skip_dirs |= set ([
        # Better not create a merge nightmare for the GNAT folks.
        'ada',

        # Handled separately.

```



```

        'testsuite',
    ])

    self.skip_extensions |= set ([
        # Maintained by the translation project.
        '.po',

        # Automatically-generated.
        '.pot',
    ])

    self.fossilised_files |= set ([
        # Old news won't be updated.
        'ONEWS',
    ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

```

```

        # Automatically-generated.
        '.pot',
    ])

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',

            # Not really part of the library
            'contrib',

            # Imported from upstream
            'classpath',
            'libltdl',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'NameDecoder.h':
            return re.compile ('.*NAME_COPYRIGHT')
        if filename == 'ICC_Profile.h':
            return re.compile ('.*icSigCopyrightTag')
        return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):

```

```

GenericFilter.__init__(self)

self.skip_files |= set ([
    # Contains no copyright of its own, but quotes the GPL.
    'intro.xml',
])

self.skip_dirs |= set ([
    # Contains automatically-generated sources.
    'html',

    # The testsuite data files shouldn't be changed.
    'data',

    # Contains imported images
    'images',
])

self.own_files |= set ([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// \\\(C\\\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author ('Cavium Networks.')
        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')

```

```

self.add_external_author ('Greg Colvin and Beman Dawes.')
self.add_external_author ('Hewlett-Packard Company')
self.add_external_author ('Information Technology Industry Council.')
self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author ('National Research Council of Canada.')
self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California.')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
self.add_external_author ('Silicon Graphics')
self.add_external_author ('Stephen L. Moshier')
self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors.')
self.add_external_author ('The Regents of the University of California.')
self.add_external_author ('Unicode, Inc.')
self.add_external_author ('University of Toronto.')

```

```

class GCCCmdLine (CmdLine):

```

```

    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # Boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())

```

```

self.add_dir (os.path.join ('libmudflap', 'testsuite'),
                TestsuiteFilter())
self.add_dir ('libobjc')
self.add_dir ('libquadmath')
# libsanitiser is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('lto-plugin')
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libitm',
    'libmudflap',
    'libobjc',
    'libstdc++-v3',
    ]

```

GCCCmdLine().main()

/\* Permission.java -- Information about an ACL permission

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```
package java.security.acl;
```

```
/**
```

```
 * This interface provides information about a permission that can be  
 * granted. Note that this is not the same as the class  
 * java.security.Permission.
```

```
 *
```

```
 * @version 0.0
```

```
 *
```

```
 * @author Aaron M. Renn (arenn@urbanophile.com)
```

```
 */
```

```
public interface Permission
```

```
{
```

```
 /**
```

```
 * This method tests whether or not a specified Permission  
 * (passed as an Object) is the same as this permission.
```

```
 *
```

```
 * @param perm The permission to check for equality
```

```
 *
```

```
 * @return true if the specified permission is the same as this one, false otherwise
```

```
 */
```

```
boolean equals (Object perm);
```

```
/**
```

```
 * This method returns this Permission as a String.
```

```
 *
```

```
 * @return A String representing this permission.
```

```
 */
```

```
String toString();
```

```
}
```

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```

"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd"><html
xmlns="http://www.w3.org/1999/xhtml"><head><meta http-equiv="Content-Type" content="text/html;
charset=UTF-8" /><title>License</title><meta name="generator" content="DocBook XSL-NS Stylesheets
V1.78.1" /><meta name="keywords" content="ISO C++, library" /><meta name="keywords" content="ISO C++,
runtime, library" /><link rel="home" href="..index.html" title="The GNU C++ Library" /><link rel="up"
href="status.html" title="Chapter1.Status" /><link rel="prev" href="status.html" title="Chapter1.Status" /><link
rel="next" href="bugs.html" title="Bugs" /></head><body><div class="navheader"><table width="100%"
summary="Navigation header"><tr><th colspan="3" align="center">License</th></tr><tr><td width="20%"
align="left"><a accesskey="p" href="status.html">Prev</a></td><th width="60%"
align="center">Chapter1.Status</th><td width="20%" align="right"><a accesskey="n"
href="bugs.html">Next</a></td></tr></table><hr /></div><div class="section"><div
class="titlepage"><div><div><h2 class="title" style="clear: both"><a
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and one for the documentation.
</p><p>
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href="..faq.html#faq.license">questions</a>. If you have more
questions, ask the FSF or the <a class="link" href="http://gcc.gnu.org/lists.html" target="_top">gcc mailing
list</a>.
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the <span class="quote"><span class="quote">GCC Runtime Library Exception, version 3.1</span></span>
as follows (or see the file COPYING.RUNTIME):
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<br />
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<br />
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<br />
Everyoneispermittedtocopyanddistributeverbatimcopiesofthis<br />
licensedocument,butchangingitisnotallowed.<br />
<br />
ThisGCCRuntimeLibraryException("Exception")isanadditional<br />
permissionundersection7oftheGNUGeneralPublicLicense,version<br />
3("GPLv3").Itappliesoagivenfile(the"RuntimeLibrary")that<br />
bearsanoticeplacedbythecopyrightholderofthefilestatingthat<br />
thefileisgovernedbyGPLv3alongwiththisException.<br />
<br />
WhenyouuseGCCtocompileaprogram,GCCmaycombineportionsof<br />
certainGCCheaderfilesandruntimelibrarieswiththecompiled<br />
program.ThepurposeofthisExceptionistoallowcompilationof<br />
non-GPL(includingproprietary)programstouse,inthisway,the<br />
headerfilesandruntimelibrariescoveredbythisException.<br />

```

<br />

0. Definitions. <br />

<br />

A file is an "IndependentModule" if it either requires the Runtime Library for execution after a CompilationProcess, or makes use of an interface provided by the RuntimeLibrary, but is not otherwise based on the RuntimeLibrary. <br />

<br />

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<br />

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<br />

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<br />

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<br />

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<br />

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<br />

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<br />

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</p></div><p>

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align="center"><a accesskey="u" href="status.html">Up</a></td><td width="40%" align="right"><a  
accesskey="n" href="bugs.html">Next</a></td></tr><tr><td width="40%" align="left"  
valign="top">Chapter 1. Status</td><td width="20%" align="center"><a accesskey="h"  
href=".. /index.html">Home</a></td><td width="40%" align="right"  
valign="top">Bugs</td></tr></table></div></body></html>

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```
/* Permission.java -- The superclass for all permission objects
```

```
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```

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obligated to do so. If you do not wish to do so, delete this  
exception statement from your version. \*/

```
package java.security;
```

```
import gnu.java.lang.CPStringBuilder;
```

```
import java.io.Serializable;
```

```
/**
```

```
* This class is the abstract superclass of all classes that implement  
* the concept of a permission. A permission consists of a permission name  
* and optionally a list of actions that relate to the permission. The  
* actual meaning of the name of the permission is defined only in the  
* context of a subclass. It may name a resource to which access permissions  
* are granted (for example, the name of a file) or it might represent  
* something else entirely. Similarly, the action list only has meaning  
* within the context of a subclass. Some permission names may have no  
* actions associated with them. That is, you either have the permission  
* or you don't.
```

```
*
```

```
* <p>The most important method in this class is <code>implies</code>. This  
* checks whether if one has this permission, then the specified  
* permission is also implied. As a conceptual example, consider the  
* permissions "Read All Files" and "Read File foo". The permission  
* "Read All Files" implies that the caller has permission to read the  
* file foo.
```

```
*
```

```
* <p><code>Permission</code>'s must be immutable - do not change their  
* state after creation.
```

```
*
```

```
* @author Aaron M. Renn (arenn@urbanophile.com)
```

```
* @see Permissions
```

```
* @see PermissionCollection
```

```
* @since 1.1
```

```
* @status updated to 1.4
```

```
*/
```

```
public abstract class Permission implements Guard, Serializable
```

```
{
```

```
/**
```

```
* Compatible with JDK 1.1+.
```

```
*/
```

```
private static final long serialVersionUID = -5636570222231596674L;
```

```
/**
```

```
* This is the name assigned to this permission object.
```

```
*
```

```
* @serial the name of the permission
```

```

*/
private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */
public Permission(String name)
{
    this.name = name;
}

/**
 * This method implements the Guard interface for this class.
 * It calls the checkPermission method in
 * SecurityManager with this Permission as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 *
 * @param obj the Object being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this Permission implies that the
 * specified Permission is also granted.
 *
 * @param perm the Permission to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use implies, rather
 * than equals, when making access control decisions.
 *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

```

```

/**
 * This method returns a hash code for this Permission. It
 * must satisfy the contract of Object.hashCode: it must be
 * the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this Permission.
 *
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this Permission
 * as a String. The string should be in canonical order, for
 * example, both new FilePermission(f, "write,read") and
 * new FilePermission(f, "read,write") have the action list
 * "read,write".
 *
 * @return the action list for this Permission
 */
public abstract String getActions();

/**
 * This method returns an empty PermissionCollection object
 * that can store permissions of this type, or null if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * implies.
 *
 * @return a new PermissionCollection
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a String representation of this
 * Permission object. This is in the format:

```

```

* <code>' + getClass().getName() + ' + getName() + ' + getActions
* + '</code>.
*
* @return this object as a <code>String</code>
*/
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());

    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }

    string = string.append(')');
    return string.toString();
}
} // class Permission

```

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Version 3, 29 June 2007

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

```
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the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

```
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```

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

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```
if+gnu/classpath/tools/taglets/CopyrightTagletjava/lang/Objectcom/sun/tools/doclets/TagletNAMELjava/lang/String;
ConstantValue copyrightHEADER
Copyright:<init>()VCode
LineNumberTableLocalVariableTablethis-
Lgnu/classpath/tools/taglets/CopyrightTaglet;getName()Ljava/lang/String;inField()Z
inConstructorinMethod
inOverview inPackageinTypeisInlineTagregister(Ljava/util/Map;)V

&(*)
java/util/Map+.put8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;
tagletMapLjava/util/Map;copyrightTaglettoString)(Lcom/sun/javadoc/Tag;)Ljava/lang/String;3com/sun/javadoc/Tag
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BHJappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;Ljava/lang/StringBuilderN<dt><i>Copyright &#169;
KPQ(Ljava/lang/String;)V
KSIT-(Ljava/lang/String;)Ljava/lang/StringBuilder;V </i></dt>
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BXtags[Lcom/sun/javadoc/Tag;haveValidTagZiresultLjava/lang/StringBuffer;
SourceFileCopyrightTaglet.java!
```

```

/* 1-
7,;,?,C,G,K,O!,S "#QY$L*+%+'WWXY-.
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7806)+=>+29<=_BYDN-EGW67+29<%-KYMO+29RURWGW+-YGW-[F`ad efge+k/17m>nDoSpunstw>] ^_
`a7TbcA>`ade
/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
   adapted to BSD conventions for symbol names and debugging.)
   Copyright (C) 1988-2015 Free Software Foundation, Inc.

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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.'s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

```

```

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space "HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
( fputs (".comm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), "%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
( fputs (".lcomm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), "%u\n", (int)(ROUNDED)))

#ifndef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
( fputs (".lcomm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), "%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \

```

```
printf ((BUF), "%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0
/* gnu.classpath.tools.taglets.CopyrightTaglet
   Copyright (C) 2001 Free Software Foundation, Inc.
```

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```
package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean isInlineTag() {
        return false;
    }
}
```



```

public static void register(Map tagletMap) {
    CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
    tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}

public String toString(Tag tag) {
    return toString(new Tag[] { tag });
}

public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }

        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
                }
            }
            result.append("</dl>");
            return result.toString();
        }
        else {
            return null;
        }
    }
}
}
.. _gnu_fdl:

```

```

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```

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## END OF TERMS AND CONDITIONS

### 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.>  
Copyright (C) 19yy <name of author>
```

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

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

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

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) 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.

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.

```
.\" Automatically generated by Pod::Man 2.16 (Pod::Simple 3.05)
.\"
.\" Standard preamble:
.\" =====
.de Sh \" Subsection heading
.br
.if t .Sp
.ne 5
.PP
\FB\|$1\fR
.PP
..
.de Sp \" Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
..
.de Vb \" Begin verbatim text
.ft CW
.nf
.ne \|$1
..
.de Ve \" End verbatim text
.ft R
.fi
..
.\" Set up some character translations and predefined strings. \*(-- will
.\" give an unbreakable dash, \*(PI will give pi, \*(L" will give a left
.\" double quote, and \*(R" will give a right double quote. \*(C+ will
```

```

.\" give a nicer C++. Capital omega is used to do unbreakable dashes and
.\" therefore won't be available. \*(C` and \*(C' expand to ` in nroff,
.\" nothing in troff, for use with C<>.
.tr \(*W-
.ds C+ C\v'-.1v'h'-1p^s-2+\h'-1p'+\s0\v'.1v'h'-1p'
.ie n {\
. ds -- \(*W-
. ds PI pi
. if (\n(.H=4u)&(1m=24u) .ds -- \(*W'h'-12u^\(*W'h'-12u'-\" diablo 10 pitch
. if (\n(.H=4u)&(1m=20u) .ds -- \(*W'h'-12u^\(*W'h'-8u'-\" diablo 12 pitch
. ds L" ""
. ds R" ""
. ds C` ""
. ds C' ""
'br\}
.el{\
. ds -- \\\(em\
. ds PI \(*p
. ds L" ``
. ds R" "
'br\}
.\"
.\" Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(.g .ds Aq \\\(aq
.el .ds Aq '
.\"
.\" If the F register is turned on, we'll generate index entries on stderr for
.\" titles (.TH), headers (.SH), subsections (.Sh), items (.Ip), and index
.\" entries marked with X<> in POD. Of course, you'll have to process the
.\" output yourself in some meaningful fashion.
.ie \nF {\
. de IX
. tm Index:\\$1\t\\n%\t\"\\$2"
..
. nr % 0
. rr F
.\}
.el {\
. de IX
..
.\}
.\"
.\" Accent mark definitions (@(#ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
.\" Fear. Run. Save yourself. No user-serviceable parts.
. \" fudge factors for nroff and troff
.if n {\
. ds #H 0
. ds #V .8m

```

```

. ds #F .3m
. ds #[ \f1
. ds #] \fP
.\}
.if t \{\
. ds #H ((1u-(\|n(.fu%2u))* .13m)
. ds #V .6m
. ds #F 0
. ds #[ \&
. ds #] \&
.\}
. \" simple accents for nroff and troff
.if n \{\
. ds ' \&
. ds ` \&
. ds ^ \&
. ds , \&
. ds ~ ~
. ds /
.\}
.if t \{\
. ds ' \|k:h'-(\|n(.wu*8/10-\*(#H)^\`h''\|n:u"
. ds ` \|k:h'-(\|n(.wu*8/10-\*(#H)^\`h''\|n:u'
. ds ^ \|k:h'-(\|n(.wu*10/11-\*(#H)^\`h''\|n:u'
. ds , \|k:h'-(\|n(.wu*8/10),h''\|n:u'
. ds ~ \|k:h'-(\|n(.wu-\*(#H-.1m)~\h''\|n:u'
. ds / \|k:h'-(\|n(.wu*8/10-\*(#H)^\z(s|h''\|n:u'
.\}
. \" troff and (daisy-wheel) nroff accents
.ds : \|k:h'-(\|n(.wu*8/10-\*(#H+.1m+\*(#F)^\v'~\*(#V^\z.h'.2m+\*(#F'.h''\|n:u^\v'*(#V'
.ds 8 \|h''*(#H^\(*b|h'~\*(#H'
.ds o \|k:h'-(\|n(.wu+\w^\(de'u-\*(#H)/2u^\v'-.3n^\*(#[\z(\de|\v'.3n^\h''\|n:u^\*(#)
.ds d- \|h''*(#H^\(pd|h'~\w'~\u^\v'-.25m^\f2(\hy|\fP|\v'.25m^\h'~\*(#H'
.ds D- D\|k:h'~\w'D'u^\v'-.11m^\z(\hy|\v'.11m^\h''\|n:u'
.ds th \*(#[\v'.3m^\s+1I\s-1|\v'-.3m^\h'-(\w'Tu*2/3)^\s-1o\s+1^\*(#)
.ds Th \*(#[\s+2I\s-2|h'~\w'Tu*3/5^\v'-.3m'o|\v'.3m^\*(#)
.ds ae a|h'-(\w'a'u*4/10)'e
.ds Ae A|h'-(\w'A'u*4/10)'E
. \" corrections for vroff
.if v .ds ~ \|k:h'-(\|n(.wu*9/10-\*(#H)^\s-2\u~\d\s+2|h''\|n:u'
.if v .ds ^ \|k:h'-(\|n(.wu*10/11-\*(#H)^\v'-.4m'^|\v'.4m^\h''\|n:u'
. \" for low resolution devices (crt and lpr)
.if \|n(.H>23 .if \|n(.V>19 \
\{\
. ds : e
. ds 8 ss
. ds o a
. ds d- d|h'-1^\(ga

```

```

. ds D- D\h'-1\(\hy
. ds th \o'bp'
. ds Th \o'LP'
. ds ae ae
. ds Ae AE
.\}
.rm #[ #] #H #V #F C
.\" =====
.\"
.IX Title "GPL 7"
.TH GPL 7 "2016-06-03" "gcc-5.4.0" "GNU"
.\" For nroff, turn off justification. Always turn off hyphenation; it makes
.\" way too many mistakes in technical documents.
.if n .ad l
.nh
.SH "NAME"
gpl \- GNU General Public License
.SH "DESCRIPTION"
.IX Header "DESCRIPTION"
.Sh "\s-1GNU\s0 General Public License"
.IX Subsection "GNU General Public License"
.Sh "Version 3, 29 June 2007"
.IX Subsection "Version 3, 29 June 2007"
.Vb 1
\& Copyright (c) 2007 Free Software Foundation, Inc. <http://fsf.org/>
\&
\& Everyone is permitted to copy and distribute verbatim copies of this
\& license document, but changing it is not allowed.
.Ve
.Sh "Preamble"
.IX Subsection "Preamble"
The \s-1GNU\s0 General Public License is a free, copyleft license for
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.PP
The licenses for most software and other practical works are designed
to take away your freedom to share and change the works. By contrast,
the \s-1GNU\s0 General Public License is intended to guarantee your freedom
to share and change all versions of a program\*(-to make sure it remains
free software for all its users. We, the Free Software Foundation,
use the \s-1GNU\s0 General Public License for most of our software; it
applies also to any other work released this way by its authors. You
can apply it to your programs, too.
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When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
them if you wish), that you receive source code or can get it if you
want it, that you can change the software or use pieces of it in new

```

free programs, and that you know you can do these things.

.PP

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

.PP

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

.PP

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.PP

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.PP

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the \s-1GPL\s0 to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the \s-1GPL\s0, as needed to protect the freedom of users.

.PP

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the \s-1GPL\s0 assures that patents cannot be used to render the program non-free.

.PP

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

.Sh "\s-1TERMS\s0 \s-1AND\s0 \s-1CONDITIONS\s0"

.IX Subsection "TERMS AND CONDITIONS"

.IP "0. Definitions." 4

.IX Item "0. Definitions."

\&\*(L"This License\\*(R" refers to version 3 of the \s-1GNU\s0 General Public License.

.Sp

\&\*(L"Copyright\\*(R" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

.Sp

\&\*(L"The Program\\*(R" refers to any copyrightable work licensed under this License. Each licensee is addressed as \\*(L"you\\*(R". \\*(L"Licensees\\*(R" and \&\*(L"recipients\\*(R" may be individuals or organizations.

.Sp

To \\*(L"modify\\*(R" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a \\*(L"modified version\\*(R" of the earlier work or a work \\*(L"based on\\*(R" the earlier work.

.Sp

A \\*(L"covered work\\*(R" means either the unmodified Program or a work based on the Program.

.Sp

To \\*(L"propagate\\*(R" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

.Sp

To \\*(L"convey\\*(R" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

.Sp

An interactive user interface displays \\*(L"Appropriate Legal Notices\\*(R" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

.IP "1. Source Code." 4

.IX Item "1. Source Code."

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

.Sp

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

.Sp

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

.Sp

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

.Sp

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

.Sp

The Corresponding Source for a work in source code form is that same work.

.IP "2. Basic Permissions." 4

.IX Item "2. Basic Permissions."

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control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

.Sp

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

.IP "3. Protecting Users' Legal Rights From Anti-Circumvention Law." 4

.IX Item "3. Protecting Users' Legal Rights From Anti-Circumvention Law."

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the \s-1WIPO\s0 copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

.Sp

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.IP "4. Conveying Verbatim Copies." 4

.IX Item "4. Conveying Verbatim Copies."

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

.Sp

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

.IP "5. Conveying Modified Source Versions." 4

.IX Item "5. Conveying Modified Source Versions."

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

.RS 4

.IP "a." 4

.IX Item "a."

The work must carry prominent notices stating that you modified it, and giving a relevant date.

.IP "b." 4

.IX Item "b."

The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This

requirement modifies the requirement in section 4 to \\*(L"keep intact all notices\\*(R".

.IP "c." 4

.IX Item "c."

You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

.IP "d." 4

.IX Item "d."

If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

.RE

.RS 4

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A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an \&\\*(L"aggregate\\*(R" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

.RE

.IP "6. Conveying Non-Source Forms." 4

.IX Item "6. Conveying Non-Source Forms."

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

.RS 4

.IP "a." 4

.IX Item "a."

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

.IP "b." 4

.IX Item "b."

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you

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

.IP "c." 4

.IX Item "c."

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

.IP "d." 4

.IX Item "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.

.IP "e." 4

.IX Item "e."

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

.RE

.RS 4

.Sp

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

.Sp

A \\*(L"User Product\\*(R" is either (1) a \\*(L"consumer product\\*(R", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, \&\\*(L"normally used\\*(R" refers to a typical or \common use of that class of

product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

.Sp

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

.Sp

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in \s-IROM\s0).

.Sp

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

.Sp

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

.RE

.IP "7. Additional Terms." 4

.IX Item "7. Additional Terms."

\&\\*(L"Additional permissions\\*(R" are terms that supplement the terms of this License by making exceptions from one or more of its conditions.

Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions

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&\s-1APPLICABLE\s0 \s-1LAW\s0. \s-1EXCEPT\s0 \s-1WHEN\s0 \s-1OTHERWISE\s0 \s-1STATED\s0 \s-1IN\s0 \s-1WRITING\s0 \s-1THE\s0 \s-1COPYRIGHT\s0  
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&\s-1WARRANTY\s0 \s-1OF\s0 \s-1ANY\s0 \s-1KIND\s0, \s-1EITHER\s0 \s-1EXPRESSED\s0 \s-1OR\s0 \s-1IMPLIED\s0, \s-1INCLUDING\s0, \s-1BUT\s0 \s-1NOT\s0  
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A \s-1PARTICULAR\s0 \s-1PURPOSE\s0. \s-1THE\s0 \s-1ENTIRE\s0 \s-1RISK\s0 \s-1AS\s0 \s-1TO\s0 \s-1THE\s0 \s-1QUALITY\s0 \s-1AND\s0  
&\s-1PERFORMANCE\s0 \s-1OF\s0 \s-1THE\s0 \s-1PROGRAM\s0 \s-1IS\s0 \s-1WITH\s0 \s-1YOU\s0. \s-1SHOULD\s0 \s-1THE\s0 \s-1PROGRAM\s0 \s-1PROVE\s0  
&\s-1DEFECTIVE\s0, \s-1YOU\s0 \s-1ASSUME\s0 \s-1THE\s0 \s-1COST\s0 \s-1OF\s0 \s-1ALL\s0 \s-1NECESSARY\s0 \s-1SERVICING\s0, \s-1REPAIR\s0 \s-1OR\s0  
&\s-1CORRECTION\s0.

.IP "16. Limitation of Liability." 4

.IX Item "16. Limitation of Liability."

&\s-1IN\s0 \s-1NO\s0 \s-1EVENT\s0 \s-1UNLESS\s0 \s-1REQUIRED\s0 \s-1BY\s0 \s-1APPLICABLE\s0 \s-1LAW\s0 \s-1OR\s0 \s-1AGREED\s0 \s-1TO\s0 \s-1IN\s0 \s-1WRITING\s0  
&\s-1WILL\s0 \s-1ANY\s0 \s-1COPYRIGHT\s0 \s-1HOLDER\s0, \s-1OR\s0 \s-1ANY\s0 \s-1OTHER\s0 \s-1PARTY\s0 \s-1WHO\s0 \s-1MODIFIES\s0 \s-1AND/OR\s0  
&\s-1CONVEYS\s0 \s-1THE\s0 \s-1PROGRAM\s0 \s-1AS\s0 \s-1PERMITTED\s0 \s-1ABOVE\s0, \s-1BE\s0 \s-1LIABLE\s0 \s-1TO\s0 \s-1YOU\s0 \s-1FOR\s0 \s-1DAMAGES\s0,  
&\s-1INCLUDING\s0 \s-1ANY\s0 \s-1GENERAL\s0, \s-1SPECIAL\s0, \s-1INCIDENTAL\s0 \s-1OR\s0 \s-1CONSEQUENTIAL\s0 \s-1DAMAGES\s0  
&\s-1ARISING\s0 \s-1OUT\s0 \s-1OF\s0 \s-1THE\s0 \s-1USE\s0 \s-1OR\s0 \s-1INABILITY\s0 \s-1TO\s0 \s-1USE\s0 \s-1THE\s0 \s-1PROGRAM\s0 (\s-1INCLUDING\s0 \s-1BUT\s0  
&\s-1NOT\s0 \s-1LIMITED\s0 \s-1TO\s0 \s-1LOSS\s0 \s-1OF\s0 \s-1DATA\s0 \s-1OR\s0 \s-1DATA\s0 \s-1BEING\s0 \s-1RENDERED\s0 \s-1INACCURATE\s0 \s-1OR\s0  
&\s-1LOSSES\s0 \s-1SUSTAINED\s0 \s-1BY\s0 \s-1YOU\s0 \s-1OR\s0 \s-1THIRD\s0 \s-1PARTIES\s0 \s-1OR\s0  
A \s-1FAILURE\s0 \s-1OF\s0 \s-1THE\s0 \s-1PROGRAM\s0  
&\s-1TO\s0 \s-1OPERATE\s0 \s-1WITH\s0 \s-1ANY\s0 \s-1OTHER\s0 \s-1PROGRAMS\s0), \s-1EVEN\s0 \s-1IF\s0 \s-1SUCH\s0 \s-1HOLDER\s0 \s-1OR\s0 \s-1OTHER\s0  
&\s-1PARTY\s0 \s-1HAS\s0 \s-1BEEN\s0 \s-1ADVISED\s0 \s-1OF\s0 \s-1THE\s0 \s-1POSSIBILITY\s0 \s-1OF\s0 \s-1SUCH\s0 \s-1DAMAGES\s0.

.IP "17. Interpretation of Sections 15 and 16." 4

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```
.Sh "\s-1END\s0 \s-1OF\s0 \s-1TERMS\s0 \s-1AND\s0 \s-1CONDITIONS\s0"
```

```
.IX Subsection "END OF TERMS AND CONDITIONS"
```

```
.Sh "How to Apply These Terms to Your New Programs"
```

```
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```

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```
.PP
```

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```
.PP
```

```
.Vb 2
```

```
\& <one line to give the program\*(Aqs name and a brief idea of what it does.>
```

```
\& Copyright (C) <year> <name of author>
```

```
\&
```

```
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\& it under the terms of the GNU General Public License as published by  
\& the Free Software Foundation, either version 3 of the License, or (at  
\& your option) any later version.
```

```
\&
```

```
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\& WITHOUT ANY WARRANTY; without even the implied warranty of  
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\& General Public License for more details.
```

```
\&
```

```
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```

```
.Ve
```

```
.PP
```

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

```
.PP
```

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```
.PP
```

```
.Vb 4
```

```
\& <program> Copyright (C) <year> <name of author>
```

```
\& This program comes with ABSOLUTELY NO WARRANTY; for details type "show w".
```

```
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```

```
\& under certain conditions; type "show c" for details.
```

```
.Ve
```

```
.PP
```

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// DO NOT EDIT THIS FILE - it is machine generated -\*- c++ -\*-

```
#ifndef __java_security_acl_Permission__
```

```
#define __java_security_acl_Permission__
```

```
#pragma interface
```

```
#include <java/lang/Object.h>
```

```
extern "Java"
```

```
{
```

```
namespace java
```

```
{
```

```
namespace security
```

```
{
```

```
namespace acl
```

```
{
```

```
class Permission;
```

```
}
```

```
}
```

```
}
```

```
}
```

```
class java::security::acl::Permission : public ::java::lang::Object
```

```
{
```

```

public:
virtual jboolean equals(::java::lang::Object *) = 0;
virtual ::java::lang::String * toString() = 0;
static ::java::lang::Class class$;
} __attribute__ ((java_interface));

#endif // __java_security_acl_Permission__
@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).
@c man end
@c man begin COPYRIGHT
Copyright @copyright{ } 2000, 2001, 2002, 2007, 2008 Free Software Foundation, Inc.
@uref{http://fsf.org/}

```

```

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

```
@c man end
```

```
// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-
```

```
#ifndef __java_security_Permission__
#define __java_security_Permission__
```

```
#pragma interface
```

```
#include <java/lang/Object.h>
extern "Java"
{
  namespace java
  {
    namespace security
    {
      class Permission;
      class PermissionCollection;
    }
  }
}
```

```
class java::security::Permission : public ::java::lang::Object
{
```

```
public:
  Permission(::java::lang::String *);
  virtual void checkGuard(::java::lang::Object *);
  virtual jboolean implies(::java::security::Permission *) = 0;
  virtual jboolean equals(::java::lang::Object *) = 0;
```



```

virtual jint hashCode() = 0;
virtual ::java::lang::String * getName();
virtual ::java::lang::String * getActions() = 0;
virtual ::java::security::PermissionCollection * newPermissionCollection();
virtual ::java::lang::String * toString();
private:
static const jlong serialVersionUID = -5636570222231596674LL;
::java::lang::String * __attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
static ::java::lang::Class class$;
};

```

```
#endif // __java_security_Permission__
```

```
@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).
```

```
@c man end
```

```
@c man begin COPYRIGHT
```

```
Copyright @copyright{ } 2007 Free Software Foundation, Inc.
```

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```
@c man end
```

```
@end ignore
```

```
@node Copying
```

```
@c man begin DESCRIPTION
```

```
@unnumbered GNU General Public License
```

```
@center Version 3, 29 June 2007
```

```
@c This file is intended to be included in another file.
```

```
@display
```

```
Copyright @copyright{ } 2007 Free Software Foundation, Inc. @url{http://fsf.org/}
```

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```
@end display
```

```
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```

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

## HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

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

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

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

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

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

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

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

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

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

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and

Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(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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\* m4/ax\_func\_which\_gethostbyname\_r.m4

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```

```

#define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
  namespace gnu
  {
    namespace javax
    {
      namespace sound
      {
        class AudioSecurityManager$Permission;
      }
    }
  }
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{

  AudioSecurityManager$Permission(::java::lang::String *, jint);
public:
  static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
  static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
  static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
  static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
  static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
private:
  static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUM$VALUES;
public:
  static ::java::lang::Class class$;
};

#endif // __gnu_javax_sound_AudioSecurityManager$Permission__
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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />
```

```
<title>SLF4J License</title>
```

```
<link rel="stylesheet" type="text/css" media="screen" href="css/site.css" />
```

```
</head>
```

```
<body>
```

```
<script type="text/javascript">prefix="";</script>
```

```
<script src="templates/header.js" type="text/javascript"></script>
<div id="left">
  <script src="templates/left.js" type="text/javascript"></script>
</div>
<div id="right">
  <script src="templates/right.js" type="text/javascript"></script>
</div>
```

```
<div id="content">
```

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```
</div>
```

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</p>

<script src="templates/footer.js" type="text/javascript"></script>

</div>

</body>

</html>

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## 1.223 installation-report 2.62ubuntu1

### 1.223.1 Available under license :

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For the script usb-list:

Original version: <http://article.gmane.org/gmane.linux.usb.general/16828>

Adapted for Debian Installer by Frans Pop.

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## 1.224 libglade 2.6.4-2

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Version 2, June 1991

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## 1.229 datatype 1.4.01

## 1.230 systemd 237 3ubuntu10.29

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively 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.>  
Copyright (C) <year> <name of author>

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

The hypothetical commands `show w' and `show c' should show the appropriate 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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```
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
```

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Version 2.1, February 1999

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

That's all there is to it!

## 1.231 python 2.7.15 4ubuntu4~18.04.2

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was 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                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | 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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History and License

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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 <https://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 <https://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 <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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| 0.9.0 thru 1.2 | n/a          | 1991-1995 | CWI        | yes             |
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| 1.6            | 1.5.2        | 2000      | CNRI       | no              |
| 2.0            | 1.6          | 2000      | BeOpen.com | no              |
| 1.6.1          | 1.6          | 2001      | CNRI       | no              |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no              |
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| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes             |
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#### Mersenne Twister

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The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

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Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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Asynchronous socket services

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Cookie management

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

#### XML Remote Procedure Calls

-----

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test\_epoll

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Select kqueue

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SipHash24

-----

The file `:file:`Python/pyhash.c`` contains Marek Majkowski's implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note::

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves (supercop/crypto\_auth/siphhash24/little)

djb (supercop/crypto\_auth/siphhash24/little2)

Jean-Philippe Aumasson (<https://131002.net/siphhash/siphhash24.c>)

strtod and dtoa

-----

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from <http://www.netlib.org/fp/>. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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```

## OpenSSL

-----

The modules :mod:`hashlib`, :mod:`posix`, :mod:`ssl`, :mod:`crypt` use the OpenSSL library for added performance if made available by the operating system. Additionally, the Windows and Mac OS X installers for Python may include a copy of the OpenSSL libraries, so we include a copy of the OpenSSL license here::

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expat

-----

The :mod:`pyexpat` extension is built using an included copy of the expat sources unless the build is configured ``--with-system-expat``:

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libffi

-----

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zlib

----

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Jean-loup Gailly      Mark Adler  
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cfuhash

-----

The implementation of the hash table used by the `:mod:`tracemalloc`` is based on the cfuhash project::

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libmpdec

-----

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

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

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

That's all there is to it!

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--
```

This is a test manual, trivially and explicitly in the public domain.

```
-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
```

```

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<meta name="keywords" content="Copying and indices (Top)">
<meta name="resource-type" content="document">
<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
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<link href="index.html#Top" rel="index" title="Top">
<link href="#SEC_Contents" rel="contents" title="Table of Contents">
<link href="index.html#Top" rel="up" title="Top">
<link href="index.html#Top" rel="prev" title="Top">
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blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
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div.smallexample {margin-left: 3.2em}
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pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
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pre.smalllisp {font-size: smaller}
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```

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Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top"
accesskey="u" rel="up">Top</a> &nbsp; [ <a href="#SEC_Contents" title="Table of contents"
rel="contents">Contents</a> ] [ <a href="index.html#Top" title="Index" rel="index">Index</a> ] </p>
</div>
<a name="Copying-and-indices-1"></a>
<h2 class="appendix">Appendix A Copying and indices</h2>
```

```
<p>In the appendix, we print the indices and references.
</p>
<a name="index-another-fun"></a>
```

```
<a name="index-Copying-appendix"></a>
```

```
<p><a href="index.html#Copying-information">Copying information</a> for the copying information.
<a href="index.html#Public-domain-reference">Public domain reference</a> for reference on the licence.
</p>
<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.
<a href="index.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for reference on the titlepage.
</p>
```

```
<a name="index-copying-Copying-this-document"></a>
<a name="Copying-information"></a>
```

```
<p>This is a test manual, trivially and explicitly in the public
domain<a name="DOCF1_2" href="#FOOT1_2"><sup>2</sup></a>.
</p>
```

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&nbsp;</td>
<td><a class="summary-letter" href="#Copying-and-indices_cp_letter-P"><b>P</b></a>
&nbsp;</td>
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indices</a></td></tr>
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document</a>:</td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
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<tr><td></td><td valign="top"><a href="index.html#index-copying-Public-domain">Public
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<tr><td></td><td valign="top"><a href="#index-Copying-appendix">Copying  
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indices</a></td></tr>  
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indices_cp_letter-C"><b>C</b></a>
&nbsp;
<a class="summary-letter" href="#Copying-and-indices_cp_letter-P"><b>P</b></a>
&nbsp;
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<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_fn_letter-A">A</a></th><td></td><td></td></tr>
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indices</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
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href="index.html#Top">Top</a></td></tr>
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&nbsp;
<a class="summary-letter" href="#Copying-and-indices_fn_letter-F"><b>F</b></a>
&nbsp;
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<div class="contents">

<ul class="no-bullet">
<li><a name="toc-Chapter" href="index.html#Chapter">1 Chapter</a></li>
<li><a name="toc-Copying-and-indices-1" href="#Copying-and-indices">Appendix A Copying and
indices</a></li>
</ul>
</div>

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```
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<h4 class="footnotes-heading">Footnotes</h4>

<h3><a name="FOOT1_2" href="#DOCF1_2">(2)</a></h3>
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domain is something you should already know
</p>
<a name="index-copying-Public-domain"></a>
</div>
<hr>
<div class="header">
<p>
Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top"
accesskey="u" rel="up">Top</a> &nbsp; &nbsp; &nbsp; <a href="#SEC_Contents" title="Table of contents"
rel="contents">Contents</a>][<a href="index.html#Top" title="Index" rel="index">Index</a>]</p>
</div>
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"http://www.w3.org/TR/html4/loose.dtd">
<html>
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```

This is a test manual, trivially and explicitly in the public domain.

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blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
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pre.format {font-family: inherit}
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pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
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</style>

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</head>
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<body lang="en">
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```

```
<td valign="middle" align="left"><a href="Chapter.html#Chapter" title="Previous section in reading order"> &lt;
</a></td>
```

```
<td valign="middle" align="left"><a href="index.html#Top" title="Up section"> Up </a></td>
```

```
<td valign="middle" align="left">[ &gt; ]</td>
```

```
<td valign="middle" align="left">[ &gt;&gt; ]</td>
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of contents">Contents</a></td>
```

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(help)"> ? </a></td>
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```
</tr></table>
```

```
<a name="Copying-and-indices-1"></a>
```

```
<h1 class="appendix">Appendix A Copying and indices</h1>
```

<p>In the appendix, we print the indices and references.

</p>

<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

<p><a href="index.html#Copying-information">Copying information</a> for the copying information.

<a href="index\_special\_region\_no\_region\_fot.html#Public-domain-reference">Public domain reference</a> for reference on the licence.

</p>

<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.

<a href="index\_special\_region\_no\_region\_fot.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for reference on the titlepage.

</p>

<table><tr><th valign="top">Jump to: &nbsp;  </th><td><a class="summary-letter" href="#Copying-and-indices-1\_cp\_letter-C"><b>C</b></a>

&nbsp;  </td></tr></table>

<a class="summary-letter" href="#Copying-and-indices-1\_cp\_letter-P"><b>P</b></a>

&nbsp;  </td></tr></table>

<a class="summary-letter" href="#Copying-and-indices-1\_cp\_letter-T"><b>T</b></a>

&nbsp;  </td></tr></table>

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This is a test manual, trivially and explicitly in the public domain.

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<a name="index-Copying-appendix"></a>

<p><a href="Chapter.html#Copying-information">Copying information</a> for the copying information.
<a href="index_special_region_fot.html#Public-domain-reference">Public domain reference</a> for reference on
the licence.

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This is a test manual, trivially and explicitly in the public domain.

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

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

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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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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Public License instead of this License. But first, please read  
<<http://www.gnu.org/philosophy/why-not-lgpl.html>>.  
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"  
"http://www.w3.org/TR/html4/loose.dtd">  
<html>  
<!--  
Copyright notice, public domain

Public domain is not really a licence, as it means than  
the author abandon his copyright.

```
-->  
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->  
<!-- This file redirects to the location of a node or anchor -->  
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blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}  
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div.example {margin-left: 3.2em}  
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div.smalldisplay {margin-left: 3.2em}  
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div.smalllisp {margin-left: 3.2em}  
kbd {font-style: oblique}  
pre.display {font-family: inherit}  
pre.format {font-family: inherit}  
pre.menu-comment {font-family: serif}  
pre.menu-preformatted {font-family: serif}  
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span.roman {font-family: initial; font-weight: normal}  
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ul.no-bullet {list-style: none}  
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</style>

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<body lang="en">

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</body>

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"http://www.w3.org/TR/html4/loose.dtd">

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-->

<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->

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div.display {margin-left: 3.2em}

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div.smallexample {margin-left: 3.2em}

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kbd {font-style: oblique}

pre.display {font-family: inherit}

pre.format {font-family: inherit}

pre.menu-comment {font-family: serif}

pre.menu-preformatted {font-family: serif}

pre.smalldisplay {font-family: inherit; font-size: smaller}

```

pre.smallexample { font-size: smaller}
pre.smallformat { font-family: inherit; font-size: smaller}
pre.smalllisp { font-size: smaller}
span.nolinebreak { white-space: nowrap}
span.roman { font-family: initial; font-weight: normal}
span.sansserif { font-family: sans-serif; font-weight: normal}
ul.no-bullet { list-style: none}
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<p>In the appendix, we print the indices and references.
</p>
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<a name="index-Copying-appendix"></a>

<p><a href="index.html#Copying-information">Copying information</a> for the copying information.
<a href="index_special_region_fot.html#Public-domain-reference">Public domain reference</a> for reference on
the licence.
</p>
<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.

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[Titlepage footnote anchor](index_special_region_fot.html#Titlepage-footnote-anchor) for reference on the titlepage.

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| Jump to: &nbsp; | <a href="#">C</a> |
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[P](#)

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|  | Index Entry | &nbsp; | Section |
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|--|-------------|--------|---------|

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|--|-------------------------|--|--|
|  | <a href="#">Copying</a> |  |  |
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|  |        |                                                |  |
|--|--------|------------------------------------------------|--|
|  | &nbsp; | <a href="#">Appendix A Copying and indices</a> |  |
|--|--------|------------------------------------------------|--|

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|--|---------------------------------------|---------------------|--|
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|  | &nbsp;                                | <a href="#">Top</a> |  |

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| <a href="#">P</a> |  |  |  |
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| Jump to: &nbsp; | <a href="#">C</a> |
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<td valign="middle" align="left">[<a href="index.html#Top" title="Index">Index</a>]</td>
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</tr></table>
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This document was generated on <em>a sunny day</em> using <a
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</body>
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This is a test manual, trivially and explicitly in the public domain.

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href="index.html#Top">Top</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-index">Titlepage
index</a></td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-indices-
1_cp_letter-C"><b>C</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-indices-1_cp_letter-P"><b>P</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-indices-1_cp_letter-T"><b>T</b></a>
&nbsp;</td>
</tr></table>
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1_fn_letter-A"><b>A</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-indices-1_fn_letter-F"><b>F</b></a>
&nbsp;</td>
</tr></table>
<table class="index-fn" border="0">
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<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices-1_fn_letter-A">A</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="#index-another-fun"><code>another
fun</code></a></td><td>&nbsp;</td><td valign="top"><a href="#Copying-and-indices">Appendix A Copying
and indices</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices-1_fn_letter-F">F</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="Chapter.html#index-findex-entry"><code>findex

```

```

entry</code></a></td><td>&nbsp;</td><td valign="top"><a href="Chapter.html#Chapter">1
Chapter</a></td></tr>
<tr><td></td><td valign="top"><a href="Chapter.html#index-
fun"><code>fun</code></a></td><td>&nbsp;</td><td valign="top"><a href="Chapter.html#Chapter">1
Chapter</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
<table><tr><th valign="top">Jump to: &nbsp;  </th><td><a class="summary-letter" href="#Copying-and-indices-
1_fn_letter-A"><b>A</b></a>
&nbsp;  </td></tr></table>
&nbsp;  <a class="summary-letter" href="#Copying-and-indices-1_fn_letter-F"><b>F</b></a>
&nbsp;  </td></tr></table>

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<table class="header" cellpadding="1" cellspacing="1" border="0">
<tr><td valign="middle" align="left"><a href="Chapter.html#Chapter" title="Beginning of this chapter or previous
chapter"> &lt;&lt;&lt; </a></td>
<td valign="middle" align="left">[ &gt;&gt;&gt; ]</td>
<td valign="middle" align="left"> &nbsp;  </td>
<td valign="middle" align="left"> &nbsp;  </td>
<td valign="middle" align="left"> &nbsp;  </td>
<td valign="middle" align="left"> &nbsp;  </td>
<td valign="middle" align="left"> &nbsp;  </td>
<td valign="middle" align="left"><a href="index.html#Top" title="Cover (top) of document">Top</a></td>
<td valign="middle" align="left"><a href="index_special_region_no_region_toc.html#SEC_Contents" title="Table
of contents">Contents</a></td>
<td valign="middle" align="left"><a href="index.html#Top" title="Index">Index</a></td>
<td valign="middle" align="left"><a href="index_special_region_no_region_abt.html#SEC_About" title="About
(help)"> ? </a></td>
</tr></table>
<p><font size="-1">
This document was generated on <em>a sunny day</em> using <a
href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.
</font></p>

</body>
</html>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--

This is a test manual, trivially and explicitly in the public
domain.

-->

```

```

<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Appendix A Copying and indices (Top)</title>

<meta name="description" content="Appendix A Copying and indices (Top)">
<meta name="keywords" content="Appendix A Copying and indices (Top)">
<meta name="resource-type" content="document">
<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<style type="text/css">
<!--
a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

</head>

<body lang="en">
<a name="Copying-and-indices"></a>
<table class="header" cellpadding="1" cellspacing="1" border="0">
<tr><td valign="middle" align="left"><a href="Chapter.html#Chapter" title="Beginning of this chapter or previous
chapter"> &lt;&lt; </a></td>
<td valign="middle" align="left"><a href="Chapter.html#Chapter" title="Previous section in reading order"> &lt;
</a></td>

```

```

<td valign="middle" align="left">[<a href="index.html#Top" title="Up section"> Up </a>]</td>
<td valign="middle" align="left">[ &gt; ;]</td>
<td valign="middle" align="left">[ &gt;&gt;]</td>
<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Cover (top) of document">Top</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_insertcopying_toc.html#SEC_Contents"
title="Table of contents">Contents</a>]</td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Index">Index</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_insertcopying_abt.html#SEC_About"
title="About (help)"> ? </a>]</td>
</tr></table>
<a name="Copying-and-indices-1"></a>
<h1 class="appendix">Appendix A Copying and indices</h1>

<p>In the appendix, we print the indices and references.
</p>
<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

<p><a href="index.html#Copying-information">Copying information</a> for the copying information.
<a href="index_special_region_no_insertcopying_fot.html#Public-domain-reference">Public domain reference</a>
for reference on the licence.
</p>
<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.
<a href="index_special_region_no_insertcopying_fot.html#Titlepage-footnote-anchor">Titlepage footnote
anchor</a> for reference on the titlepage.
</p>

<table><tr><th valign="top">Jump to: &nbsp; </th><td><a class="summary-letter" href="#Copying-and-indices-
1_cp_letter-C"><b>C</b></a>
&nbsp; </td>
<a class="summary-letter" href="#Copying-and-indices-1_cp_letter-P"><b>P</b></a>
&nbsp; </td>
<a class="summary-letter" href="#Copying-and-indices-1_cp_letter-T"><b>T</b></a>
&nbsp; </td>
</tr></table>
<table class="index-cp" border="0">
<tr><td></td><th align="left">Index Entry</th><td>&nbsp;</td><th align="left"> Section</th></tr>
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<tr><th><a name="Copying-and-indices-1_cp_letter-C">C</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="#index-Copying-appendix">Copying
appendix</a></td><td>&nbsp;</td><td valign="top"><a href="#Copying-and-indices">Appendix A Copying and
indices</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-copying-Copying-this-document">Copying this

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```

document</a></td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices-1_cp_letter-P">P</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index_special_region_no_insertcopying_fot.html#index-copying-Public-domain">Public domain</a></td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices-1_cp_letter-T">T</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index_special_region_no_insertcopying_fot.html#index-titlepage-Titlepage-footnote">Titlepage footnote</a></td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-index">Titlepage index</a></td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-indices-1_cp_letter-C"><b>C</b></a>
&nbsp;<
<a class="summary-letter" href="#Copying-and-indices-1_cp_letter-P"><b>P</b></a>
&nbsp;<
<a class="summary-letter" href="#Copying-and-indices-1_cp_letter-T"><b>T</b></a>
&nbsp;<
</td></tr></table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-indices-1_fn_letter-A"><b>A</b></a>
&nbsp;<
<a class="summary-letter" href="#Copying-and-indices-1_fn_letter-F"><b>F</b></a>
&nbsp;<
</td></tr></table>
<table class="index-fn" border="0">
<tr><td></td><th align="left">Index Entry</th><td>&nbsp;</td><th align="left"> Section</th></tr>
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<tr><th><a name="Copying-and-indices-1_fn_letter-A">A</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="#index-another-fun"><code>another fun</code></a></td><td>&nbsp;</td><td valign="top"><a href="#Copying-and-indices">Appendix A Copying and indices</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices-1_fn_letter-F">F</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="Chapter.html#index-findex-entry"><code>findex entry</code></a></td><td>&nbsp;</td><td valign="top"><a href="Chapter.html#Chapter">1 Chapter</a></td></tr>
<tr><td></td><td valign="top"><a href="Chapter.html#index-fun"><code>fun</code></a></td><td>&nbsp;</td><td valign="top"><a href="Chapter.html#Chapter">1 Chapter</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-indices-1_fn_letter-A"><b>A</b></a>

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&nbsp;  
<a class="summary-letter" href="#Copying-and-indices-1\_fn\_letter-F"><b>F</b></a>  
&nbsp;  
</td></tr></table>

<hr>  
<table class="header" cellpadding="1" cellspacing="1" border="0">  
<tr><td valign="middle" align="left"><a href="Chapter.html#Chapter" title="Beginning of this chapter or previous chapter"> &lt;&lt; </a></td>  
<td valign="middle" align="left">[ &gt;&gt; ]</td>  
<td valign="middle" align="left"> &nbsp; </td>  
<td valign="middle" align="left"> &nbsp; </td>  
<td valign="middle" align="left"> &nbsp; </td>  
<td valign="middle" align="left"> &nbsp; </td>  
<td valign="middle" align="left"><a href="index.html#Top" title="Cover (top) of document">Top</a></td>  
<td valign="middle" align="left"><a href="index\_special\_region\_no\_insertcopying\_toc.html#SEC\_Contents" title="Table of contents">Contents</a></td>  
<td valign="middle" align="left"><a href="index.html#Top" title="Index">Index</a></td>  
<td valign="middle" align="left"><a href="index\_special\_region\_no\_insertcopying\_abt.html#SEC\_About" title="About (help)"> ? </a></td>  
</tr></table>

<p><font size="-1">  
This document was generated on <em>a sunny day</em> using <a href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.  
</font></p>

</body>  
</html>  
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">  
<html>  
<!--

This is a test manual, trivially and explicitly in the public domain.

-->  
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->  
<!-- This file redirects to the location of a node or anchor -->  
<head>  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">  
<title>Copying information (Top)</title>

<meta name="description" content="Copying information (Top)">  
<meta name="keywords" content="Copying information (Top)">  
<meta name="resource-type" content="document">

```

<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<style type="text/css">
<!--
a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

<meta http-equiv="Refresh" content="0; url=Chapter.html#Copying-information">

</head>

<body lang="en">

<p>The node you are looking for is at <a href="Chapter.html#Copying-information">Copying
information</a>.</p>
</body>
use vars qw(%result_taxis %result_texts %result_trees %result_errors
%result_indices %result_sectioning %result_nodes %result_menus
%result_floats %result_converted %result_converted_errors
%result_elements %result_directions_text);

use utf8;

$result_trees{'copying_not_closed'} = {
'contents' => [

```

```

{
  'cmdname' => 'copying',
  'contents' => [
    {
      'extra' => {
        'command' => {}
      },
      'parent' => {},
      'text' => '
';
      'type' => 'empty_line_after_command'
    },
    {
      'parent' => {},
      'text' => '
';
      'type' => 'empty_line'
    },
    {
      'contents' => [
        {
          'parent' => {},
          'text' => 'This is a copyright notice
'
        }
      ],
      'parent' => {},
      'type' => 'paragraph'
    }
  ],
  'extra' => {
    'spaces_after_command' => {}
  },
  'line_nr' => {
    'file_name' => '',
    'line_nr' => 1,
    'macro' => ''
  },
  'parent' => {}
}
],
'type' => 'text_root'
};
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[0]{'extra'}{'command'} =
$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[0]{'parent'} =
$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[1]{'parent'} =

```

```

$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[2]{'contents'}[0]{'parent'} =
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[2];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[2]{'parent'} =
$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'extra'}{'spaces_after_command'} =
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'parent'} = $result_trees{'copying_not_closed'};

```

```

$result_taxis{'copying_not_closed'} = '@copying

```

```

This is a copyright notice
';

```

```

$result_texts{'copying_not_closed'} = "";

```

```

$result_errors{'copying_not_closed'} = [
{
'error_line' => ':3: no matching `@end copying\'
,
'file_name' => "",
'line_nr' => 3,
'macro' => "",
'text' => 'no matching `@end copying\'",
'type' => 'error'
}
];

```

```

1;
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--

```

```

This is a test manual, trivially and explicitly in the public
domain.

```

```

-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Copying and indices (Top)</title>

<meta name="description" content="Copying and indices (Top)">
<meta name="keywords" content="Copying and indices (Top)">
<meta name="resource-type" content="document">

```

```

<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<link href="index.html#Top" rel="start" title="Top">
<link href="#SEC_Contents" rel="contents" title="Table of Contents">
<link href="index.html#Top" rel="up" title="Top">
<link href="index.html#Top" rel="prev" title="Top">
<style type="text/css">
<!--
a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

</head>

<body lang="en">
<a name="Copying-and-indices"></a>
<div class="header">
<p>
Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top"
accesskey="u" rel="up">Top</a> &nbsp; ; <a href="#SEC_Contents" title="Table of contents"
rel="contents">Contents</a></p>
</div>
<a name="Copying-and-indices-1"></a>
<h2 class="appendix">Appendix A Copying and indices</h2>

```

<p>In the appendix, we print the indices and references.

</p>

<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

<p><a href="index.html#Copying-information">Copying information</a> for the copying information.

<a href="index.html#Public-domain-reference">Public domain reference</a> for reference on the licence.

</p>

<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.

<a href="index.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for reference on the titlepage.

</p>

<table><tr><th valign="top">Jump to: &nbsp;   </th><td><a class="summary-letter" href="#Copying-and-indices\_cp\_letter-C"><b>C</b></a>

&nbsp;   

<a class="summary-letter" href="#Copying-and-indices\_cp\_letter-P"><b>P</b></a>

&nbsp;   

<a class="summary-letter" href="#Copying-and-indices\_cp\_letter-T"><b>T</b></a>

&nbsp;   

</td></tr></table>

<table class="index-cp" border="0">

<tr><td></td><th align="left">Index Entry</th><td>&nbsp;   </td><th align="left"> Section</th></tr>

<tr><td colspan="4"> <hr></td></tr>

<tr><th><a name="Copying-and-indices\_cp\_letter-C">C</a></th><td></td><td></td></tr>

<tr><td></td><td valign="top"><a href="#index-Copying-appendix">Copying

appendix</a>:</td><td>&nbsp;   </td><td valign="top"><a href="#Copying-and-indices">Copying and indices</a></td></tr>

<tr><td></td><td valign="top"><a href="index.html#index-copying-Copying-this-document">Copying this document</a>:</td><td>&nbsp;   </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>

<tr><td colspan="4"> <hr></td></tr>

<tr><th><a name="Copying-and-indices\_cp\_letter-P">P</a></th><td></td><td></td></tr>

<tr><td></td><td valign="top"><a href="index.html#index-copying-Public-domain">Public

domain</a>:</td><td>&nbsp;   </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>

<tr><td colspan="4"> <hr></td></tr>

<tr><th><a name="Copying-and-indices\_cp\_letter-T">T</a></th><td></td><td></td></tr>

<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-footnote">Titlepage footnote</a>:</td><td>&nbsp;   </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>

<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-index">Titlepage

index</a>:</td><td>&nbsp;   </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>

<tr><td colspan="4"> <hr></td></tr>

</table>

<table><tr><th valign="top">Jump to: &nbsp;   </th><td><a class="summary-letter" href="#Copying-and-indices\_cp\_letter-C"><b>C</b></a>

&nbsp;   

<a class="summary-letter" href="#Copying-and-indices\_cp\_letter-P"><b>P</b></a>

&nbsp;   

<a class="summary-letter" href="#Copying-and-indices\_cp\_letter-T"><b>T</b></a>

```

&nbsp;
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&nbsp;
<a class="summary-letter" href="#Copying-and-indices_fn_letter-F"><b>F</b></a>
&nbsp;
</td></tr></table>
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<tr><td></td><th align="left">Index Entry</th><td>&nbsp;</td><th align="left"> Section</th></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_fn_letter-A">A</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="#index-another-fun"><code>another
fun</code></a></td><td>&nbsp;</td><td valign="top"><a href="#Copying-and-indices">Copying and
indices</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_fn_letter-F">F</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-findex-entry"><code>findex
entry</code></a></td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-
fun"><code>fun</code></a></td><td>&nbsp;</td><td valign="top"><a
href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-indices_fn_letter-A"><b>A</b></a>
&nbsp;
<a class="summary-letter" href="#Copying-and-indices_fn_letter-F"><b>F</b></a>
&nbsp;
</td></tr></table>

<a name="SEC_Contents"></a>
<h2 class="contents-heading">Table of Contents</h2>

<div class="contents">

<ul class="no-bullet">
<li><a name="toc-Chapter" href="index.html#Chapter">1 Chapter</a></li>
<li><a name="toc-Copying-and-indices-1" href="#Copying-and-indices">Appendix A Copying and
indices</a></li>
</ul>
</div>

<hr>
<div class="header">
<p>
Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top"
accesskey="u" rel="up">Top</a> &nbsp;<a href="#SEC_Contents" title="Table of contents"

```

```
rel="contents">Contents</a>]</p>
</div>
```

```
</body>
```

```
</html>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
```

```
<html>
```

```
<!--
```

```
Copyright notice, public domain
```

Public domain is not really a licence, as it means than  
the author abandon his copyright.

```
-->
```

```
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
```

```
<title>Appendix A Copying and floats (Top)</title>
```

```
<meta name="description" content="Appendix A Copying and floats (Top)">
```

```
<meta name="keywords" content="Appendix A Copying and floats (Top)">
```

```
<meta name="resource-type" content="document">
```

```
<meta name="distribution" content="global">
```

```
<meta name="Generator" content="texi2any">
```

```
<style type="text/css">
```

```
<!--
```

```
a.summary-letter {text-decoration: none}
```

```
blockquote.indentedblock {margin-right: 0em}
```

```
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
```

```
blockquote.smallquotation {font-size: smaller}
```

```
div.display {margin-left: 3.2em}
```

```
div.example {margin-left: 3.2em}
```

```
div.lisp {margin-left: 3.2em}
```

```
div.smalldisplay {margin-left: 3.2em}
```

```
div.smallexample {margin-left: 3.2em}
```

```
div.smalllisp {margin-left: 3.2em}
```

```
kbd {font-style: oblique}
```

```
pre.display {font-family: inherit}
```

```
pre.format {font-family: inherit}
```

```
pre.menu-comment {font-family: serif}
```

```
pre.menu-preformatted {font-family: serif}
```

```
pre.smalldisplay {font-family: inherit; font-size: smaller}
```

```
pre.smallexample {font-size: smaller}
```

```
pre.smallformat {font-family: inherit; font-size: smaller}
```

```
pre.smalllisp {font-size: smaller}
```

```
span.nolinebreak {white-space: nowrap}
```



```
span.roman { font-family: initial; font-weight: normal }
span.sansserif { font-family: sans-serif; font-weight: normal }
ul.no-bullet { list-style: none }
-->
</style>
```

```
</head>
```

```
<body lang="en">
<a name="Copying-and-floats"></a>
<table class="header" cellpadding="1" cellspacing="1" border="0">
<tr><td valign="middle" align="left"><a href="index.html#Top" title="Beginning of this chapter or previous
chapter"> &lt;&lt;&lt; </a></td>
<td valign="middle" align="left"><a href="index.html#Top" title="Previous section in reading order"> &lt;&
</a></td>
<td valign="middle" align="left"><a href="index.html#Top" title="Up section"> Up </a></td>
<td valign="middle" align="left">[ &gt;&gt; ]</td>
<td valign="middle" align="left">[ &gt;&gt;&gt; ]</td>
<td valign="middle" align="left"> &nbsp;&nbsp;&nbsp;& </td>
<td valign="middle" align="left"> &nbsp;&nbsp;&nbsp;& </td>
<td valign="middle" align="left"> &nbsp;&nbsp;&nbsp;& </td>
<td valign="middle" align="left"><a href="index.html#Top" title="Cover (top) of document">Top</a></td>
<td valign="middle" align="left">[Contents]</td>
<td valign="middle" align="left"><a href="#Copying-and-floats" title="Index">Index</a></td>
<td valign="middle" align="left"><a href="float_copying_abt.html#SEC_About" title="About (help)"> ?
</a></td>
</tr></table>
<a name="Copying-and-floats-1"></a>
<h1 class="appendix">Appendix A Copying and floats</h1>
```

```
<p>In the appendix, we print the references and the copying once more
and the list of coyright notices (listoffloats).
```

```
</p>
```

```
<p>See the caption <a href="index.html#public-domain-anchor">public domain anchor</a>.
```

```
</p>
```

```
<p>See the float <a href="index.html#public-domain">Copyright notice 1</a>.
```

```
</p>
```

```
<a name="index-listofloats"></a>
```

```
<div class="float"><a name="public-domain"></a>
```

```
<p>Public domain is not really a licence, as it means than
the author abandon his copyright.
```

```
</p>
```

```
<div class="float-caption"><p><strong>Copyright notice 1: </strong>The Public Domain notice<a
```

```
name="DOCF1_2" href="float_copying_fot.html#FOOT1_2"><sup>2</sup></a>
</p>
<a name="public-domain-anchor"></a><a name="index-copying-indexed-caption"></a>
<a name="index-copying-indexed-caption-function"></a>
</div></div>
```

```
<div class="float"><a name="public-domain"></a>
```

```
<p>Public domain is not really a licence, as it means than
the author abandon his copyright.
```

```
</p>
<div class="float-caption"><p><strong>Copyright notice 1: </strong>The Public Domain notice<a
name="DOCF1_3" href="float_copying_fot.html#FOOT1_3"><sup>3</sup></a>
</p>
<a name="public-domain-anchor"></a><a name="index-copying-indexed-caption"></a>
<a name="index-copying-indexed-caption-function"></a>
</div></div>
```

```
<a name="listoffloats"></a>
<h3 class="subheading">listoffloats</h3>
<dl class="listoffloats">
<dt><a href="index.html#public-domain">Copyright notice 1</a></dt><dd><p>The Public Domain notice<a
name="t_hlistoffloats_DOCF1_4" href="float_copying_fot.html#t_hlistoffloats_FOOT1_4"><sup>4</sup></a>
</p>
</dd>
</dl>
```

```
<a name="printindex"></a>
<h3 class="subheading">printindex</h3>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-floats-
1_cp_letter-I"><b>I</b></a>
&nbsp;<
<a class="summary-letter" href="#Copying-and-floats-1_cp_letter-L"><b>L</b></a>
&nbsp;<
<a class="summary-letter" href="#Copying-and-floats-1_cp_letter-T"><b>T</b></a>
&nbsp;<
</td></tr></table>
<table class="index-cp" border="0">
<tr><td></td><th align="left">Index Entry</th><td>&nbsp;</td><th align="left"> Section</th></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-floats-1_cp_letter-I">I</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-copying-indexed-caption">indexed
caption</a></td><td>&nbsp;</td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td></td><td valign="top"><a href="float_copying_fot.html#index-copying-indexed-caption-copying-
footnote">indexed caption copying footnote</a></td><td>&nbsp;</td><td valign="top"><a
href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-floats-1_cp_letter-L">L</a></th><td></td><td></td></tr>
```

```

<tr><td></td><td valign="top"><a href="#index-listofloats">listofloats</a></td><td>&nbsp;</td><td
valign="top"><a href="#Copying-and-floats">Appendix A Copying and floats</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-floats-1_cp_letter-T">T</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-Top">Top</a></td><td>&nbsp;</td><td
valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-floats-
1_cp_letter-I"><b>I</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-floats-1_cp_letter-L"><b>L</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-floats-1_cp_letter-T"><b>T</b></a>
&nbsp;</td></tr></table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-floats-
1_fn_letter-I"><b>I</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-floats-1_fn_letter-P"><b>P</b></a>
&nbsp;</td></tr></table>
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<tr><th><a name="Copying-and-floats-1_fn_letter-I">I</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-copying-indexed-caption-function"><code>indexed
caption function</code></a></td><td>&nbsp;</td><td valign="top"><a
href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-floats-1_fn_letter-P">P</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="float_copying_fot.html#index-copying-public-domain-
function"><code>public domain function</code></a></td><td>&nbsp;</td><td valign="top"><a
href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
<table><tr><th valign="top">Jump to: &nbsp;</th><td><a class="summary-letter" href="#Copying-and-floats-
1_fn_letter-I"><b>I</b></a>
&nbsp;</td>
<a class="summary-letter" href="#Copying-and-floats-1_fn_letter-P"><b>P</b></a>
&nbsp;</td></tr></table>
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chapter"> &lt;&lt;&lt; </a></td>
<td valign="middle" align="left">[ &gt;&gt;&gt; ]</td>

```

```
<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left"> &nbsp; </td>
<td valign="middle" align="left">[<a href="index.html#Top" title="Cover (top) of document">Top</a>]</td>
<td valign="middle" align="left">[Contents]</td>
<td valign="middle" align="left">[<a href="#Copying-and-floats" title="Index">Index</a>]</td>
<td valign="middle" align="left">[<a href="float_copying_abt.html#SEC_About" title="About (help)"> ?
</a>]</td>
</tr></table>
<p><font size="-1">
  This document was generated on <em>a sunny day</em> using <a
href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.
</font></p>

</body>
</html>
```

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## 1.233.1 Available under license :

This package was debianized by Timshel Knoll <timshel@debian.org> on  
Fri, 5 Nov 1999 18:11:28 +1100.

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

Upstream Authors: Andrew Clausen <clausen@gnu.org>  
Lennert Buytanhek <buytenh@gnu.org>  
Matthew Wilson <msw@redhat.com>

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```
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```

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## 1.239 vim 8.0.1453-1ubuntu1.1

### 1.239.1 Available under license :

```
" Vim syntax file  
" Language: Software Distributor product specification file  
" (POSIX 1387.2-1995).  
" Maintainer: Rex Barzee <rex_barzee@hp.com>  
" Last change: 25 Apr 2001  
  
" quit when a syntax file was already loaded  
if exists("b:current_syntax")
```

```

finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match psfUnquotString +[^"# ][^#]*+ contained
syn region psfQuotString start="+"+ skip="+\\\\"+ end="+"+ contained

syn match psfObjTag "\<[-_+A-Z0-9a-z]\+(\.[-_+A-Z0-9a-z]\+)*" contained
syn match psfAttAbbrev ",\<(fa|fr|[aclqrv])\(\<|>|\<=|\>=|\<==|\>==\)[^,]\+" contained
syn match psfObjTags "\<[-_+A-Z0-9a-z]\+(\.[-_+A-Z0-9a-z]\+)*\(\s+\<[-_+A-Z0-9a-z]\+(\.[-_+A-Z0-9a-z]\+)*\)*" contained

syn match psfNumber "\<d\>" contained
syn match psfFloat "\<d\>|\>(\.|\<d\>|\>)*" contained

syn match psfLongDate "\<d\>d\>d\>d\>d\>d\>d\>d\>d\>" contained

syn keyword psfState available configured corrupt installed transient contained
syn keyword psfPState applied committed superseded contained

syn keyword psfBoolean false true contained

"Some of the attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
" create_date description directory file_permissions install_source
" install_type location machine_type mod_date number os_name os_release
" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=~^\s*[^# ]\+\s\+[^#" ]~rs=e-1
contains=psfUnquotString,psfComment end=~$~ keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=~^\s*[^# ]\+\s\+"~rs=e-1
contains=psfQuotString,psfComment skip=~\\\"~ matchgroup=psfQuotString end=~\"~ keepend

" These regions are defined in attempt to do syntax checking for some
" of the attributes.
syn region psfAttTag matchgroup=psfAttrib start="^\s*tag\s\+" contains=psfObjTag,psfComment end="$" keepend
oneline

syn region psfAttSpec matchgroup=psfAttrib

```

```
start="^\s*(ancestor\|applied_patches\|applied_to\|contents\|corequisites\|exrequisites\|prerequisites\|software_spec\|supersedes\|superseded_by\)\s\|s\|+" contains=psfObjTag,psfAttAbbrev,psfComment end="$" keepend
```

```
syn region psfAttTags matchgroup=psfAttrib start="^\s*all_filesets\s\|s\|+" contains=psfObjTags,psfComment end="$" keepend
```

```
syn region psfAttNumber matchgroup=psfAttrib  
start="^\s*(compressed_size\|instance_id\|media_sequence_number\|sequence_number\|size)\s\|s\|+"  
contains=psfNumber,psfComment end="$" keepend oneline
```

```
syn region psfAttTime matchgroup=psfAttrib start="^\s*(create_time\|ctime\|mod_time\|mtime\|timestamp)\s\|s\|+"  
contains=psfNumber,psfComment end="$" keepend oneline
```

```
syn region psfAttFloat matchgroup=psfAttrib start="^\s*(data_model_revision\|layout_version)\s\|s\|+"  
contains=psfFloat,psfComment end="$" keepend oneline
```

```
syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\|s\|+" contains=psfLongDate,psfComment  
end="$" keepend oneline
```

```
syn region psfAttState matchgroup=psfAttrib start="^\s*(state)\s\|s\|+" contains=psfState,psfComment end="$"  
keepend oneline
```

```
syn region psfAttPState matchgroup=psfAttrib start="^\s*(patch_state)\s\|s\|+" contains=psfPState,psfComment  
end="$" keepend oneline
```

```
syn region psfAttBoolean matchgroup=psfAttrib  
start="^\s*(is_kernel\|is_locatable\|is_patch\|is_protected\|is_reboot\|is_reference\|is_secure\|is_sparse)\s\|s\|+"  
contains=psfBoolean,psfComment end="$" keepend oneline
```

```
syn match psfComment "#.*$"
```

```
" Define the default highlighting.
```

```
" Only when an item doesn't have highlighting yet
```

```
hi def link psfObject Statement
```

```
hi def link psfAttrib Type
```

```
hi def link psfQuotString String
```

```
hi def link psfObjTag Identifier
```

```
hi def link psfAttAbbrev PreProc
```

```
hi def link psfObjTags Identifier
```

```
hi def link psfComment Comment
```

```
" Long descriptions and copyrights confuse the syntax highlighting, so
```

```
" force vim to backup at least 100 lines before the top visible line
```

```
" looking for a sync location.
```

syn sync lines=100

```
let b:current_syntax = "psf"
```

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Version 2.1, February 1999

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

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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:

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

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

That's all there is to it!

\*uganda.txt\* For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL by Bram Moolenaar

\*uganda\* \*Uganda\* \*copying\* \*copyright\* \*license\*

SUMMARY

\*iccf\* \*ICCF\*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

<http://iccf-holland.org/>

<http://www.vim.org/iccf/>

<http://www.iccf.nl/>

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see |manual-copyright|.

=== begin of license ===

## VIM LICENSE

D) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

1) This license text must be included unmodified.

2) The modified Vim must be distributed in one of the following five ways:

a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.

- You keep the changes for at least three years after last

distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.

- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
  - e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.
- 3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.
- 4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is by e-mail or by uploading the files to a server and e-mailing the URL. If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is  
<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
- If you link Vim with a library that goes under the GNU GPL, this limits

further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED\_BY define.

---

Kibaale Children's Centre \*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. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:

Kibaale Children's Centre  
p.o. box 1658  
Masaka, Uganda, East Africa

Sending money: \*iccf-donations\*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.

Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy

10238-168 Street

Surrey, B.C. V4N 1Z4

Canada

Phone: 604-581-5353

If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.

This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774

IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.

Check the ICCF web site for the latest information:

<http://iccf-holland.org/germany.html>

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

[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:

Bram Moolenaar

Finsterruetihof 1

8134 Adliswil

Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:noet:ft=help:norl:

/\*

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\*/

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Version 2, June 1991

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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
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## 1.240 libx11 1.6.4-3ubuntu0.1

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## 1.242 netkit-ftp 0.17-34

## 1.243 snmp-4j 2.5.11

## 1.244 kafka-clients 0.8.2.2

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# 1.245 libxfixes 5.0.3 1

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## 1.246 netty 4.1.18

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Version 2.1, February 1999

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

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

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Ty Coon, President of Vice

That's all there is to it!

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

Upstream-Name: libassuan

Upstream-Contact: Werner Koch <wk@gnupg.org>

Source: <https://gnupg.org/ftp/gcrypt/libassuan/>

Files: \*

Makefile.am  
src/Makefile.am  
src/assuan-buffer.c  
src/assuan-error.c  
src/assuan-inquire.c  
src/assuan-io.c  
src/assuan-listen.c  
src/assuan-pipe-server.c  
src/assuan-socket-connect.c  
src/assuan-socket-server.c  
src/assuan-socket.c  
src/assuan-uds.c  
src/client.c  
src/context.c  
src/funopen.c  
src/memrchr.c  
src/posix-fd-t.inc.h  
src/posix-includes.inc.h  
src/posix-sock-nonce.inc.h  
src/posix-sys-pth-impl.h  
src/posix-types.inc.h  
src/putc\_unlocked.c  
src/server.c  
src/setenv.c  
src/stpcpy.c  
src/system-posix.c  
src/system-w32.c  
src/system-w32ce.c  
src/system.c  
src/w32-fd-t.inc.h  
src/w32-includes.inc.h  
src/w32-sock-nonce.inc.h  
src/w32-sys-pth-impl.h  
src/w32-types.inc.h  
src/w32ce-add.h  
src/w32ce-fd-t.inc.h

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Files: AUTHORS

aclocal.m4  
build-aux/git-log-footer  
configure  
INSTALL  
m4/gnupg-pth.m4  
m4/ltoptions.m4  
m4/ltsugar.m4

m4/ltversion.m4  
m4/lt~obsolete.m4  
m4/onceonly.m4  
m4/socklen.m4  
m4/sys\_socket\_h.m4  
m4/Makefile.in

src/libassuan-config.in

src/libassuan.m4

src/mkheader.c

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Files: doc/Makefile.am

doc/Makefile.in

src/gpgcedev.c

src/gpgcedev.def

src/gpgcemgr.c

tests/Makefile.am

tests/Makefile.in

tests/ce-creatpipe.c

tests/ce-server.c

tests/common.h

tests/fdpassing.c

tests/pipeconnect.c

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Files: src/debug.h

src/libassuan.def

src/libassuan.vers  
tests/version.c  
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Files: build-aux/compile  
build-aux/ltmain.sh  
m4/libtool.m4  
build-aux/missing  
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doc/assuan.info  
doc/assuan.texi  
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Files: `src/conversion.c`  
`src/debug.c`

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Files: `autogen.sh`  
`m4/gpg-error.m4`  
`src/versioninfo.rc.in`

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Files: `src/assuan.c`

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Files: `m4/autobuild.m4`

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## 1.249 avahi 0.7-3.1ubuntu1.2

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## 1.252 readline 4.4.18 2ubuntu1

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-->

<!-- \$Id\$ -->

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

```
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xi="http://www.w3.org/2001/XInclude"
  xmlns:db="http://docbook.org/ns/docbook">

  <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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      file, You can obtain one at http://mozilla.org/MPL/2.0/.
    </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="book/info/copyright | refentry/docinfo/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:value-of select="$isc.copyright.breakline"/>
          <xsl:text>&#10;</xsl:text>
        </xsl:for-each>
      </xsl:with-param>
    </xsl:call-template>
  </xsl:variable>
```

</xsl:variable>  
</xsl:stylesheet>

<!--  
- Local variables:  
- mode: sgml  
- End:  
-->

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

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

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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---

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2  
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## 1.255 pythonurllib 1.22-1ubuntu0.18.04.1

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```
# Contributions to the urllib3 project
```

```
## Creator & Maintainer
```

```
* Andrey Petrov <andrey.petrov@shazow.net>
```

```
## Contributors
```

In chronological order:

```
* victor.vde <http://code.google.com/u/victor.vde/>
```

```
* HTTPS patch (which inspired HTTPSConnectionPool)
```

- \* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>
- \* NTLM-authenticated HTTPSConnectionPool
- \* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)
  
- \* niphlod <niphlod@gmail.com>
- \* Client-verified SSL certificates for HTTPSConnectionPool
- \* Response gzip and deflate encoding support
- \* Better unicode support for filepost using StringIO buffers
  
- \* btoconnor <brian@btoconnor.net>
- \* Non-multipart encoding for POST requests
  
- \* p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>
- \* Code review, PEP8 compliance, benchmark fix
  
- \* kennethreitz <me@kennethreitz.com>
- \* Bugfixes, suggestions, Requests integration
  
- \* georgemarshall <<http://github.com/georgemarshall>>
- \* Bugfixes, Improvements and Test coverage
  
- \* Thomas Kluyver <thomas@kluyver.me.uk>
- \* Python 3 support
  
- \* brandon-rhodes <<http://rhodesmill.org/brandon>>
- \* Design review, bugfixes, test coverage.
  
- \* studer <theo.studer@gmail.com>
- \* IPv6 url support and test coverage
  
- \* Shivaram Lingamneni <slingamn@cs.stanford.edu>
- \* Support for explicitly closing pooled connections
  
- \* hartator <hartator@gmail.com>
- \* Corrected multipart behavior for params
  
- \* Thomas Weischuh <thomas@t-8ch.de>
- \* Support for TLS SNI
- \* API unification of ssl\_version/cert\_reqs
- \* SSL fingerprint and alternative hostname verification
- \* Bugfixes in testsuite
  
- \* Sune Kirkeby <mig@ibofobi.dk>
- \* Optional SNI-support for Python 2 via PyOpenSSL.
  
- \* Marc Schlaich <marc.schlaich@gmail.com>
- \* Various bugfixes and test improvements.

- \* Bryce Boe <bbzbryce@gmail.com>
- \* Correct six.moves conflict
- \* Fixed pickle support of some exceptions
  
- \* Boris Figovsky <boris.figovsky@ravellosystems.com>
- \* Allowed to skip SSL hostname verification
  
- \* Cory Benfield <<http://lukasa.co.uk/about/>>
- \* Stream method for Response objects.
- \* Return native strings in header values.
- \* Generate 'Host' header when using proxies.
  
- \* Jason Robinson <jaywink@basshero.org>
- \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
- \* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- \* Fixed a race condition
  
- \* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- \* Added HTTPS (CONNECT) proxy support
  
- \* Stephen Holsapple <sholsapp@gmail.com>
- \* Added abstraction for granular control of request fields
  
- \* Martin von Gagern <Martin.vGagern@gmx.net>
- \* Support for non-ASCII header parameters
  
- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- \* Support for separate connect and request timeouts
  
- \* Peter Waller <p@pwaller.net>
- \* HTTPResponse.tell() for determining amount received over the wire
  
- \* Nipunn Koorapati <nipunn1313@gmail.com>
- \* Ignore default ports when comparing hosts for equality
  
- \* Danilo @dbrgn <<http://dbrgn.ch/>>
- \* Disabled TLS compression by default on Python 3.2+
- \* Disabled TLS compression in pyopenssl contrib module
- \* Configurable cipher suites in pyopenssl contrib module
  
- \* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- \* Account retries on proxy errors
  
- \* Nicolas Delaby <nicolas.delaby@ezeep.com>
- \* Use the platform-specific CA certificate locations

- \* Josh Schneier <<https://github.com/jschneier>>
  - \* HTTPHeaderDict and associated tests and docs
  - \* Bugfixes, docs, test coverage
  
- \* Tahia Khan <<http://tahia.tk/>>
  - \* Added Timeout examples in docs
  
- \* Arthur Grunseid <<http://grunseid.com>>
  - \* source\_address support and tests (with <https://github.com/bui>)
  
- \* Ian Cordasco <[graffatcolmingov@gmail.com](mailto:graffatcolmingov@gmail.com)>
  - \* PEP8 Compliance and Linting
  - \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <[erik.tollerud@gmail.com](mailto:erik.tollerud@gmail.com)>
  - \* Support for standard library io module.
  
- \* Krishna Prasad <[kprasad.iitd@gmail.com](mailto:kprasad.iitd@gmail.com)>
  - \* Google App Engine documentation
  
- \* Aaron Meurer <[asmeurer@gmail.com](mailto:asmeurer@gmail.com)>
  - \* Added Url.url, which unparses a Url
  
- \* Evgeny Kapun <[abacabadabacaba@gmail.com](mailto:abacabadabacaba@gmail.com)>
  - \* Bugfixes
  
- \* Benjamin Meyer <[bm\\_witness@yahoo.com](mailto:bm_witness@yahoo.com)>
  - \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <[github@sornars.com](mailto:github@sornars.com)>
  - \* Support for using ConnectionPool and PoolManager as context managers.
  
- \* Alex Gaynor <[alex.gaynor@gmail.com](mailto:alex.gaynor@gmail.com)>
  - \* Updates to the default SSL configuration
  
- \* Tomas Tomecek <[ttomecek@redhat.com](mailto:ttomecek@redhat.com)>
  - \* Implemented generator for getting chunks from chunked responses.
  
- \* tlynn <<https://github.com/tlynn>>
  - \* Respect the warning preferences at import.
  
- \* David D. Riddle <[ddriddle@illinois.edu](mailto:ddriddle@illinois.edu)>
  - \* IPv6 bugfixes in testsuite
  
- \* Jon Wayne Parrott <[jonwayne@google.com](mailto:jonwayne@google.com)>
  - \* App Engine environment tests.
  
- \* John Krauss <<https://github.com/talos>>

- \* Clues to debugging problems with `cryptography` dependency in docs
- \* Disassem <<https://github.com/Disassem>>
- \* Fix pool-default headers not applying for url-encoded requests like GET.
- \* James Atherfold <[jlatherfold@hotmail.com](mailto:jlatherfold@hotmail.com)>
- \* Bugfixes relating to cleanup of connections during errors.
- \* Christian Pedersen <<https://github.com/chripede>>
- \* IPv6 HTTPS proxy bugfix
- \* Jordan Moldow <<https://github.com/jmoldow>>
- \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
- \* Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
- \* Creation of ``HTTPConnectionPool.ResponseCls``.
- \* Predrag Gruevski <<https://github.com/obi1kenobi>>
- \* Made cert digest comparison use a constant-time algorithm.
- \* Adam Talsma <<https://github.com/a-tal>>
- \* Bugfix to ca\_cert file paths.
- \* Evan Meagher <<https://evanmeagher.net>>
- \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
- \* John Vandenberg <[jayvdb@gmail.com](mailto:jayvdb@gmail.com)>
- \* Python 2.6 fixes; pyflakes and pep8 compliance
- \* Andy Caldwell <[andy.m.caldwell@gmail.com](mailto:andy.m.caldwell@gmail.com)>
- \* Bugfix related to reusing connections in indeterminate states.
- \* Ville Skytt <[ville.skytta@iki.fi](mailto:ville.skytta@iki.fi)>
- \* Logging efficiency improvements, spelling fixes, Travis config.
- \* Shige Takeda <[smtakeda@gmail.com](mailto:smtakeda@gmail.com)>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
- \* Jesse Shapiro <[jesse@jesseshapiro.net](mailto:jesse@jesseshapiro.net)>
- \* Various character-encoding fixes/tweaks
- \* Disabling IPv6 DNS when IPv6 connections not supported
- \* David Foster <<http://dafoster.net/>>
- \* Ensure order of request and response headers are preserved.
- \* Jeremy Cline <[jeremy@jcline.org](mailto:jeremy@jcline.org)>
- \* Added connection pool keys by scheme
- \* Aviv Palivoda <[palaviv@gmail.com](mailto:palaviv@gmail.com)>

- \* History list to Retry object.
  - \* HTTPResponse contains the last Retry object.
  
  - \* Nate Prewitt <nate.prewitt@gmail.com>
  - \* Ensure timeouts are not booleans and greater than zero.
  - \* Fixed infinite loop in ``stream`` when amt=None.
  - \* Added length\_remaining to determine remaining data to be read.
  - \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
  - \* Seth Michael Larson <sethmichaellarson@protonmail.com>
  - \* Created selectors backport that supports PEP 475.
  
  - \* Alexandre Dias <alex.dias@smarkets.com>
  - \* Don't retry on timeout if method not in whitelist
  
  - \* Moinuddin Quadri <moin18@gmail.com>
  - \* Lazily load idna package
  
  - \* Tom White <s6yg1ez3@mail2tor.com>
  - \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
  
  - \* Tim Burke <tim.burke@gmail.com>
  - \* Stop buffering entire deflate-encoded responses.
  
  - \* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  - \* Add counter for status\_forcelist retries.
  
  - \* Erik Rose <erik@mozilla.com>
  - \* Bugfix to pyopenssl vendoring
  
  - \* [Your name or handle] <[email or website]>
  - \* [Brief summary of your changes]
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## 1.256 error-prone-annotations 2.0.18

## 1.257 python-ipaddress 1.0.17-1

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## 1.258 libxrandr 1.5.1 1

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## 1.259 libxi 1.7.9-1

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## 1.260 geo-ip 2.9.0

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# 1.261 udev 237 3ubuntu10.33

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## 1.269 python-setuptools 39.0.1 2

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```
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Version 3, 29 June 2007

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

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```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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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, your program's commands might be different; for a GUI interface, you would use an "about box".

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## 1.281 makedev 2.3.1-93ubuntu1

### 1.281.1 Available under license :

This package is maintained for Debian by Bdale Garbee, <[bdale@gag.com](mailto:bdale@gag.com)>.

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

Copyright:

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

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

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

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

The more recent modifications were done by Michael K. Johnson at

Redhat. I think the understanding was that he would be taking over the maintenance of MAKEDEV (our discussion took place last September).

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

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

--

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

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

# 1.282 snappy-java 1.1.0.1

## 1.282.1 Available under license :

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Version 2.1, February 1999

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== Contributors ==

- \* Tatu Saloranta
  - \* Providing benchmark suite
- \* Alec Wysoker
  - \* Performance and memory usage improvement

/\*

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## 1.284 slf4j 1.7.23

## 1.285 libpod-latex-perl 0.61-1

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Upstream-Name: Pod-LaTeX

Source: <https://metacpan.org/release/Pod-LaTeX>

Upstream-Contact: Tim Jenness <tjenness@cpan.org>

Files: \*

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This package was debianized by Christian Marillat <marillat@debian.org> on  
Mon, 19 Nov 2001 20:12:21 +0100.

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

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## 1.289 initramfs-tools 0.130ubuntu3.6

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The current Debian maintainer are maximilian attems <maks@debian.org> and Michael Prokop <mika@debian.org>.

The current ubuntu release can be found at:  
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pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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## 1.292 j2objc-annotations 1.1

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From strings/apr\_fnmatch.c, include/apr\_fnmatch.h, misc/unix/getopt.c, file\_io/unix/mktemp.c, strings/apr\_strings.c:

```
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```

From network\_io/unix/inet\_ntop.c, network\_io/unix/inet\_pton.c:

```
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```

From dso/aix/dso.c:

```
* Based on libdl (dlfcn.c/dlfcn.h) which is
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```

From strings/apr\_strnatcmp.c, include/apr\_strings.h:

```
strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
Copyright (C) 2000 by Martin Pool <mbp@humbug.org.au>
```

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From strings/apr\_sprintf.c:

\*

\* cvt - IEEE floating point formatting routines.

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\* file name: UBiDiProps.java  
\* encoding: US-ASCII

\* tab size: 8 (not used)  
\* indentation:4  
\*  
\* created on: 2005jan16  
\* created by: Markus W. Scherer  
\*  
\* Low-level Unicode bidi/shaping properties access.  
\* Java port of ubidi\_props.h/c.

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<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by `char32At()`. One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

<p>An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

<p><code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset `start..limit-1`. That is, the start offset is inclusive, and the limit offset is exclusive.

<p><code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>.

<p>For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:

<ul>

<li>Set the metadata of the new text to the metadata of the first



- character replaced
- If no characters are replaced, use the metadata of the previous character
- If there is no previous character (i.e. start == 0), use the following character
- If there is no following character (i.e. the replaceable was empty), use default metadata
- If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu  
@stable ICU 2.0

`ReplaceableString` is an adapter class that implements the `Replaceable` API around an ordinary `StringBuffer`.

**Note:** This class does not support attributes and is not intended for general use. Most clients will need to implement `Replaceable` in their text representation class.

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@see Replaceable  
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@stable ICU 2.0

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```
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*/
```

```
package java.security;
```

```
import java.io.Serializable;
```

```
/**
```

```
 * Legacy security code; do not use.
```

```
*/
```

```
public abstract class Permission implements Guard, Serializable {  
    public Permission(String name) { }
```

```
    public final String getName() { return null; }
```

```
public void checkGuard(Object obj) throws SecurityException { }

public PermissionCollection newPermissionCollection() {
    return new AllPermissionCollection();
}

public abstract String getActions();

public abstract boolean implies(Permission permission);
}
```

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## 1.295 qpid-proton 0.27.1

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A list is generated from git here: <http://memcached.org/about>

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Steven Grimm <sgrimm@facebook.com> -- iov writing (less CPU), UDP mode, non-2.0 slab mantissas, multithread, ...

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Source: <https://github.com/httpplib2/httpplib2/tags>

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## 1.303.1 Available under license :

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It was downloaded from <http://code.launchpad.net/~ubuntu-core-dev/update-manager/main>

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From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
Copyright (C) 2000 by Martin Pool <mbp@humblebug.org.au>

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From strings/apr\_snprintf.c:

- \*  
\* cvt - IEEE floating point formatting routines.  
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\*

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## 1.308 kerberos 1.16 2ubuntu0.1

### 1.308.1 Available under license :

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
```

```

<title>Copyright &#8212; MIT Kerberos Documentation</title>
<link rel="stylesheet" href="_static/agogo.css" type="text/css" />
<link rel="stylesheet" href="_static/pygments.css" type="text/css" />
<link rel="stylesheet" href="_static/kerb.css" type="text/css" />
<script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
    URL_ROOT:    './',
    VERSION:    '1.17',
    COLLAPSE_INDEX: false,
    FILE_SUFFIX: '.html',
    HAS_SOURCE:  true,
    SOURCELINK_SUFFIX: '.txt'
};
</script>
<script type="text/javascript" src="_static/jquery.js"></script>
<script type="text/javascript" src="_static/underscore.js"></script>
<script type="text/javascript" src="_static/doctools.js"></script>
<link rel="author" title="About these documents" href="about.html" />
<link rel="index" title="Index" href="genindex.html" />
<link rel="search" title="Search" href="search.html" />
<link rel="copyright" title="Copyright" href="#" />
<link rel="next" title="How to build this documentation from the source" href="build_this.html" />
<link rel="prev" title="MIT Kerberos License information" href="mitK5license.html" />
</head>
<body>
<div class="header-wrapper">
  <div class="header">

    <h1><a href="index.html">MIT Kerberos Documentation</a></h1>

    <div class="rel">

      <a href="index.html" title="Full Table of Contents"
        accesskey="C">Contents</a> |
      <a href="mitK5license.html" title="MIT Kerberos License information"
        accesskey="P">previous</a> |
      <a href="build_this.html" title="How to build this documentation from the source"
        accesskey="N">next</a> |
      <a href="genindex.html" title="General Index"
        accesskey="I">index</a> |
      <a href="search.html" title="Enter search criteria"
        accesskey="S">Search</a> |
      <a href="mailto:krb5-bugs@mit.edu?subject=Documentation__Copyright">feedback</a>
    </div>
  </div>
</div>

```

```

<div class="content-wrapper">
  <div class="content">
    <div class="document">

      <div class="documentwrapper">
        <div class="bodywrapper">
          <div class="body" role="main">

            <div class="section" id="copyright">
              <h1>Copyright<a class="headerlink" href="#copyright" title="Permalink to this headline"></a></h1>
              <p>Copyright 1985-2019 by the Massachusetts Institute of
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              <p>See <a class="reference internal" href="mitK5license.html#mitk5license"><span class="std std-ref">MIT
              Kerberos License information</span></a> for additional copyright and license
              information.</p>
            </div>

          </div>
        </div>
      </div>
    </div>
  </div>
  <div class="sidebar">
    <h2>On this page</h2>
    <ul>
      <li><a class="reference internal" href="#">Copyright</a></li>
    </ul>

    <br/>
    <h2>Table of contents</h2>
    <ul>
      <li class="toctree-l1"><a class="reference internal" href="user/index.html">For users</a></li>
      <li class="toctree-l1"><a class="reference internal" href="admin/index.html">For administrators</a></li>
      <li class="toctree-l1"><a class="reference internal" href="appdev/index.html">For application developers</a></li>
      <li class="toctree-l1"><a class="reference internal" href="plugindev/index.html">For plugin module
      developers</a></li>
      <li class="toctree-l1"><a class="reference internal" href="build/index.html">Building Kerberos V5</a></li>
      <li class="toctree-l1"><a class="reference internal" href="basic/index.html">Kerberos V5 concepts</a></li>
      <li class="toctree-l1"><a class="reference internal" href="formats/index.html">Protocols and file formats</a></li>
      <li class="toctree-l1"><a class="reference internal" href="mitK5features.html">MIT Kerberos features</a></li>
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      <li class="toctree-l1"><a class="reference internal" href="resources.html">Resources</a></li>
    </ul>

    <br/>

```

```
<h4><a href="index.html">Full Table of Contents</a></h4>
<h4>Search</h4>
<form class="search" action="search.html" method="get">
  <input type="text" name="q" size="18" />
  <input type="submit" value="Go" />
  <input type="hidden" name="check_keywords" value="yes" />
  <input type="hidden" name="area" value="default" />
</form>
</div>
<div class="clearer"></div>
</div>
</div>

<div class="footer-wrapper">
  <div class="footer" >
    <div class="right" ><i>Release: 1.17</i><br />
      &copy; <a href="#">Copyright</a> 1985-2019, MIT.
    </div>
    <div class="left">

      <a href="index.html" title="Full Table of Contents"
        >Contents</a> |
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        >previous</a> |
      <a href="build_this.html" title="How to build this documentation from the source"
        >next</a> |
      <a href="genindex.html" title="General Index"
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      <a href="search.html" title="Enter search criteria"
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      <a href="mailto:krb5-bugs@mit.edu?subject=Documentation__Copyright">feedback</a>
    </div>
  </div>
</div>

</body>
</html>
```

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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  
kprop/kpropd\_rpc.c  
kprop/kproplog.c

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```
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */  
/*
```

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*/  
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */  
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in  
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.. parsed-literal::

```
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:

.. parsed-literal::

```
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
kprop/kpropd_rpc.c
kprop/kproplog.c
```

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  <title>MIT Kerberos License information &#8212; MIT Kerberos Documentation</title>
  <link rel="stylesheet" href="_static/agogo.css" type="text/css" />
  <link rel="stylesheet" href="_static/pygments.css" type="text/css" />
  <link rel="stylesheet" href="_static/kerb.css" type="text/css" />
  <script type="text/javascript">
    var DOCUMENTATION_OPTIONS = {
      URL_ROOT: './',
      VERSION: '1.17',
```

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FILE_SUFFIX: '.html',
HAS_SOURCE: true,
SOURCELINK_SUFFIX: '.txt'
};
</script>
<script type="text/javascript" src="_static/jquery.js"></script>
<script type="text/javascript" src="_static/underscore.js"></script>
<script type="text/javascript" src="_static/doctools.js"></script>
<link rel="author" title="About these documents" href="about.html" />
<link rel="index" title="Index" href="genindex.html" />
<link rel="search" title="Search" href="search.html" />
<link rel="copyright" title="Copyright" href="copyright.html" />
<link rel="next" title="Copyright" href="copyright.html" />
<link rel="prev" title="MIT Kerberos features" href="mitK5features.html" />
</head>
<body>
<div class="header-wrapper">
  <div class="header">

    <h1><a href="index.html">MIT Kerberos Documentation</a></h1>

    <div class="rel">

      <a href="index.html" title="Full Table of Contents"
        accesskey="C">Contents</a> |
      <a href="mitK5features.html" title="MIT Kerberos features"
        accesskey="P">previous</a> |
      <a href="copyright.html" title="Copyright"
        accesskey="N">next</a> |
      <a href="genindex.html" title="General Index"
        accesskey="I">index</a> |
      <a href="search.html" title="Enter search criteria"
        accesskey="S">Search</a> |
      <a href="mailto:krb5-bugs@mit.edu?subject=Documentation__MIT_Kerberos_License
information">feedback</a>
    </div>
  </div>
</div>

<div class="content-wrapper">
  <div class="content">
    <div class="document">

      <div class="documentwrapper">
        <div class="bodywrapper">
          <div class="body" role="main">

```

<div class="section" id="mit-kerberos-license-information">  
<span id="mitk5license"></span><h1>MIT Kerberos License information<a class="headerlink" href="#mit-kerberos-license-information" title="Permalink to this headline"></a></h1>

<div class="toctree-wrapper compound">

</div>

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---

The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in

```
src/lib/gssapi
```

, including the following files:





```

class="n">g_verify</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o"></span><span class="n">gssapi</span><span
class="o"></span><span class="n">mechglue</span><span class="o"></span><span
class="n">gssd_pname_to_uid</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o"></span><span class="n">gssapi</span><span
class="o"></span><span class="n">mechglue</span><span class="o"></span><span
class="n">mglueP</span><span class="o">.</span><span class="n">h</span>
<span class="n">lib</span><span class="o"></span><span class="n">gssapi</span><span
class="o"></span><span class="n">mechglue</span><span class="o"></span><span
class="n">oid_ops</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o"></span><span class="n">gssapi</span><span
class="o"></span><span class="n">spnego</span><span class="o"></span><span
class="n">gssapiP_spnego</span><span class="o">.</span><span class="n">h</span>
<span class="n">lib</span><span class="o"></span><span class="n">gssapi</span><span
class="o"></span><span class="n">spnego</span><span class="o"></span><span
class="n">spnego_mech</span><span class="o">.</span><span class="n">c</span>
</pre></div>

```

</div>

<p>and the initial implementation of incremental propagation, including the following new or changed files:</p>

```

<div class="highlight-default"><div class="highlight"><pre><span></span><span class="n">include</span><span
class="o"></span><span class="n">iprop_hdr</span><span class="o">.</span><span class="n">h</span>
<span class="n">kadmin</span><span class="o"></span><span class="n">server</span><span
class="o"></span><span class="n">ipropd_svc</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o"></span><span class="n">kdb</span><span class="o"></span><span
class="n">iprop</span><span class="o">.</span><span class="n">x</span>
<span class="n">lib</span><span class="o"></span><span class="n">kdb</span><span class="o"></span><span
class="n">kdb_convert</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o"></span><span class="n">kdb</span><span class="o"></span><span
class="n">kdb_log</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o"></span><span class="n">kdb</span><span class="o"></span><span
class="n">kdb_log</span><span class="o">.</span><span class="n">h</span>
<span class="n">lib</span><span class="o"></span><span class="n">krb5</span><span
class="o"></span><span class="n">error_tables</span><span class="o"></span><span
class="n">kdb5_err</span><span class="o">.</span><span class="n">et</span>
<span class="n">kprop</span><span class="o"></span><span class="n">kpropd_rpc</span><span
class="o">.</span><span class="n">c</span>
<span class="n">kprop</span><span class="o"></span><span class="n">kproplog</span><span
class="o">.</span><span class="n">c</span>
</pre></div>

```

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<ul>
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</ul>

<br/>
<h2>Table of contents</h2>
<ul>
<li class="toctree-l1"><a class="reference internal" href="user/index.html">For users</a></li>
<li class="toctree-l1"><a class="reference internal" href="admin/index.html">For administrators</a></li>
<li class="toctree-l1"><a class="reference internal" href="appdev/index.html">For application developers</a></li>
<li class="toctree-l1"><a class="reference internal" href="plugindev/index.html">For plugin module
developers</a></li>
<li class="toctree-l1"><a class="reference internal" href="build/index.html">Building Kerberos V5</a></li>
<li class="toctree-l1"><a class="reference internal" href="basic/index.html">Kerberos V5 concepts</a></li>
<li class="toctree-l1"><a class="reference internal" href="formats/index.html">Protocols and file formats</a></li>
<li class="toctree-l1"><a class="reference internal" href="mitK5features.html">MIT Kerberos features</a></li>
<li class="toctree-l1"><a class="reference internal" href="build_this.html">How to build this documentation from
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<li class="toctree-l1"><a class="reference internal" href="about.html">Contributing to the MIT Kerberos
Documentation</a></li>
<li class="toctree-l1"><a class="reference internal" href="resources.html">Resources</a></li>
</ul>

<br/>
<h4><a href="index.html">Full Table of Contents</a></h4>
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<form class="search" action="search.html" method="get">
  <input type="text" name="q" size="18" />
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<a href="index.html" title="Full Table of Contents"
  >Contents</a> |
<a href="mitK5features.html" title="MIT Kerberos features"
  >previous</a> |
<a href="copyright.html" title="Copyright"
  >next</a> |
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  </div>
</div>
</div>
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</html>
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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
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
```

lib/libgss/g\_rel\_buffer.c  
lib/libgss/g\_rel\_cred.c  
lib/libgss/g\_rel\_name.c  
lib/libgss/g\_rel\_oid\_set.c  
lib/libgss/g\_seal.c  
lib/libgss/g\_sign.c  
lib/libgss/g\_store\_cred.c  
lib/libgss/g\_unseal.c  
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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=====

.. toctree::

  :hidden:

  copyright.rst

.. include:: notice.rst

```

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# This program is intended to be used by "make check-copyright". It
# checks for violations of the coding standards related to copyright
# and license statements in source code comments.

import os
import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
            if text_seen:
                warn(fname, ln, 'License begins after first line of comment')
            elif code_seen:
                warn(fname, ln, 'License after code')

```

```

    elif nonlicense_seen:
        warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-' and we don't want to change them.
    if line != " and line != '-':
        text_seen = True
return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1

    # Check filename comment if present.
    m = re.match(r'^\* ([^ ]*)( - .*)? \*/', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1

    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'^\*.*?\*/', "", line)
            line = line.strip()

        if not in_comment and '/*' in line:
            (line, sep, comment_part) = line.partition('/*')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
        elif in_comment and '*/' not in line:
            comment.append(line.lstrip('*').rstrip())
        elif in_comment:
            (comment_part, sep, line) = line.partition('*/')
            comment.append(comment_part.strip())
            is_license = check_comment(comment, fname, comment_starts_at,
                                      code_seen, nonlicense_seen)
            nonlicense_seen = nonlicense_seen or not is_license
            in_comment = False
        elif line.strip() != "":
            code_seen = True

```

ln += 1

```
for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)
```

Copyright

=====

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See :ref:`mitK5license` for additional copyright and license information.

# 1.309 sqlite 3.22.0-1ubuntu0.2

## 1.309.1 Available under license :

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html><head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
<link href="sqlite.css" rel="stylesheet">
<title>SQLite Copyright</title>
<!-- path= -->
</head>
<body>
<div class=nosearch>
<a href="index.html">

</a>
<div><!-- IE hack to prevent disappearing logo --></div>
<div class="tagline desktoponly">
Small. Fast. Reliable.<br>Choose any three.
</div>
<div class="menu mainmenu">
<ul>
<li><a href="index.html">Home</a>
<li class='mobileonly'><a href="javascript:void(0)" onclick='toggle_div("submenu")'>Menu</a>
<li class='wideonly'><a href='about.html'>About</a>
<li class='desktoponly'><a href="docs.html">Documentation</a>
<li class='desktoponly'><a href="download.html">Download</a>
<li class='wideonly'><a href='copyright.html'>License</a>
<li class='desktoponly'><a href="support.html">Support</a>
```



```

<li class='desktoponly'><a href="prosupport.html">Purchase</a>
<li class='search' id='search_menubutton'>
<a href="javascript:void(0)" onclick='toggle_search()'>Search</a>
</ul>
</div>
<div class="menu submenu" id="submenu">
<ul>
<li><a href='about.html'>About</a>
<li><a href='docs.html'>Documentation</a>
<li><a href='download.html'>Download</a>
<li><a href='support.html'>Support</a>
<li><a href='prosupport.html'>Purchase</a>
</ul>
</div>
<div class="searchmenu" id="searchmenu">
<form method="GET" action="search">
<select name="s" id="searchtype">
<option value="d">Search Documentation</option>
<option value="c">Search Changelog</option>
</select>
<input type="text" name="q" id="searchbox" value="">
<input type="submit" value="Go">
</form>
</div>
</div>
<script>
function toggle_div(nm) {
var w = document.getElementById(nm);
if( w.style.display=="block" ){
w.style.display = "none";
}else{
w.style.display = "block";
}
}
function toggle_search() {
var w = document.getElementById("searchmenu");
if( w.style.display=="block" ){
w.style.display = "none";
} else {
w.style.display = "block";
setTimeout(function(){
document.getElementById("searchbox").focus()
}, 30);
}
}
function div_off(nm){ document.getElementById(nm).style.display="none";}
window.onbeforeunload = function(e){ div_off("submenu");}
/* Disable the Search feature if we are not operating from CGI, since */

```

```

/* Search is accomplished using CGI and will not work without it. */
if( !location.origin.match || !location.origin.match(/http/) ){
document.getElementById("search_menubutton").style.display = "none";
}
/* Used by the Hide/Show button beside syntax diagrams, to toggle the */
function hideorshow(btn,obj){
var x = document.getElementById(obj);
var b = document.getElementById(btn);
if( x.style.display!='none' ){
x.style.display = 'none';
b.innerHTML='show';
}else{
x.style.display = '';
b.innerHTML='hide';
}
return false;
}
</script>
</div>

```

## <h2>SQLite Is Public Domain</h2>

```

<div class="rightsidebar desktoponly">
<center>
<br>
SQLite is in the<br>
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</center>
</div>

```

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</p>

<p>

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</p>

<p>

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</p>

<div class="rightsidebar">

<form method="GET" action="https://www.hwaci.com/cgi-bin/license-step1">

<input type="submit" value="Buy An SQLite License">

</form>

</div>

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</p>

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<li> Your legal department tells you that you have to purchase a license. </li>

</ul>

<p>

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one</a>.

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</p>

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</p>

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</i></blockquote>

<p>

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changes or enhancements as an employee, then a simple statement such as the  
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<blockquote>

Hwaci<br>

6200 Maple Cove Lane<br>

Charlotte, NC 28269<br>

USA

</blockquote>

<p>

A template copyright release is available  
in <a href="copyright-release.pdf">PDF</a> or  
<a href="copyright-release.html">HTML</a>.

You can use this release to make future changes.

```
</p>
<html>
<title>SQLite Copyright Release Template</title>
<body bgcolor="white">
<h1 align="center">
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Contributions To SQLite
</h1>

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</p>

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```

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</p>

<ol>

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</ol>

<p>

<table width="100%" cellpadding="0" cellspacing="0">

<tr>

```
<td width="60%" valign="top">
Signature:
<p>&nbsp;</p>
<p>&nbsp;</p>
<p>&nbsp;</p>
</td><td valign="top" align="left">
Date:
</td></tr>
<td colspan=2>
Name (printed):
</td>
</tr>
</table>
</body>
</html>
```

# 1.310 libterm-ui-perl 0.42-1

## 1.310.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>  
Upstream-Name: Term-UI  
Source: <https://metacpan.org/release/Term-UI>  
Upstream-Contact: Chris Williams <[chris@bingosnet.co.uk](mailto:chris@bingosnet.co.uk)>

Files: \*  
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Files: debian/\*  
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# 1.311 liblockfile 1.14-1.1

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Version 2, June 1991

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## 1.312 libthai 0.1.27-2

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

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

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

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

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

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

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## 1.313 jbcrypt 0.3m

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## 1.314 pygobject 3.26.1-2

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

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



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

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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'.  
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```

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

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## 1.316 bcpkix-jdk15on 1.54

## 1.317 libaio 0.3.110-5

### 1.317.1 Available under license :

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

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

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

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

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

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

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

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

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

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a

copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

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

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

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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General

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

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

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

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

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under

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

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

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- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,

in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit



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

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major

components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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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## 1.321 adwaita-icon-theme 3.28.0 1ubuntu1

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Andreas Henriksson <andreas@fatal.se> later reused the gnome-icon-theme packaging for the new adwaita-icon-theme package name.

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## 3.20191115.1ubuntu0.18.04.2

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## 1.325 libvorbis 1.3.5-4.2

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# 1.328 ow2 orchestra eclipse equinox app

## 1.3.100

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When a "work that uses the Library" uses material from a header file

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

=====

Bounded MPMC queue  
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// This file was generated by gir (<https://github.com/gtk-rs/gir>)

// from gir-files (<https://github.com/gtk-rs/gir-files>)

// DO NOT EDIT

```

#[cfg(feature = "futures")]
use futures::future;
use gio_sys;
use glib::object::Cast;
use glib::object::IsA;
use glib::signal::connect_raw;
use glib::signal::SignalHandlerId;
use glib::translate::*;
use glib_sys;
use gobject_sys;
use std::boxed::Box as Box_;
use std::fmt;
use std::mem::transmute;
use std::ptr;
use Cancellable;
use Error;

glib_wrapper! {
    pub struct Permission(Object<gio_sys::GPermission, gio_sys::GPermissionClass, PermissionClass>);

    match fn {
        get_type => || gio_sys::g_permission_get_type(),
    }
}

pub const NONE_PERMISSION: Option<&Permission> = None;

pub trait PermissionExt: 'static {
    fn acquire<P: IsA<Cancellable>>(&self, cancellable: Option<&P>) -> Result<(), Error>;

    fn acquire_async<P: IsA<Cancellable>, Q: FnOnce(Result<(), Error>) + Send + 'static>(
        &self,
        cancellable: Option<&P>,
        callback: Q,
    );

    #[cfg(feature = "futures")]
    fn acquire_async_future(
        &self,
    ) -> Box_<dyn future::Future<Output = Result<(), Error>> + std::marker::Unpin>;

    fn get_allowed(&self) -> bool;

    fn get_can_acquire(&self) -> bool;

    fn get_can_release(&self) -> bool;
}

```

```

fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool);

fn release<P: IsA<Cancellable>>(&self, cancellable: Option<&P>) -> Result<(), Error>;

fn release_async<P: IsA<Cancellable>, Q: FnOnce(Result<(), Error>) + Send + 'static>(
    &self,
    cancellable: Option<&P>,
    callback: Q,
);

#[cfg(feature = "futures")]
fn release_async_future(
    &self,
) -> Box<dyn future::Future<Output = Result<(), Error>> + std::marker::Unpin>;

fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;

fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;

fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId;
}

impl<O: IsA<Permission>> PermissionExt for O {
    fn acquire<P: IsA<Cancellable>>(&self, cancellable: Option<&P>) -> Result<(), Error> {
        unsafe {
            let mut error = ptr::null_mut();
            let _ = gio_sys::g_permission_acquire(
                self.as_ref().to_glib_none().0,
                cancellable.map(|p| p.as_ref()).to_glib_none().0,
                &mut error,
            );
            if error.is_null() {
                Ok(())
            } else {
                Err(from_glib_full(error))
            }
        }
    }
}

fn acquire_async<P: IsA<Cancellable>, Q: FnOnce(Result<(), Error>) + Send + 'static>(
    &self,
    cancellable: Option<&P>,
    callback: Q,
) {
    let user_data: Box<Q> = Box::new(callback);
    unsafe extern "C" fn acquire_async_trampoline<
        Q: FnOnce(Result<(), Error>) + Send + 'static,
    >(

```

```

    _source_object: *mut gobject_sys::GObject,
    res: *mut gio_sys::GAsyncResult,
    user_data: glib_sys::gpointer,
) {
    let mut error = ptr::null_mut();
    let _ = gio_sys::g_permission_acquire_finish(_source_object as *mut _, res, &mut error);
    let result = if error.is_null() {
        Ok(())
    } else {
        Err(from_glib_full(error))
    };
    let callback: Box<Q> = Box::from_raw(user_data as *mut _);
    callback(result);
}
let callback = acquire_async_trampoline::<Q>;
unsafe {
    gio_sys::g_permission_acquire_async(
        self.as_ref().to_glib_none().0,
        cancellable.map(|p| p.as_ref()).to_glib_none().0,
        Some(callback),
        Box::into_raw(user_data) as *mut _,
    );
}
}

#[cfg(feature = "futures")]
fn acquire_async_future(
    &self,
) -> Box<dyn future::Future<Output = Result<>, Error>> + std::marker::Unpin> {
    use fragile::Fragile;
    use GioFuture;

    GioFuture::new(self, move |obj, send| {
        let cancellable = Cancellable::new();
        let send = Fragile::new(send);
        obj.acquire_async(Some(&cancellable), move |res| {
            let _ = send.into_inner().send(res);
        });

        cancellable
    })
}

fn get_allowed(&self) -> bool {
    unsafe {
        from_glib(gio_sys::g_permission_get_allowed(
            self.as_ref().to_glib_none().0,
        ))
    }
}

```

```

    }
}

fn get_can_acquire(&self) -> bool {
    unsafe {
        from_glib(gio_sys::g_permission_get_can_acquire(
            self.as_ref().to_glib_none().0,
        ))
    }
}

fn get_can_release(&self) -> bool {
    unsafe {
        from_glib(gio_sys::g_permission_get_can_release(
            self.as_ref().to_glib_none().0,
        ))
    }
}

fn impl_update(&self, allowed: bool, can_acquire: bool, can_release: bool) {
    unsafe {
        gio_sys::g_permission_impl_update(
            self.as_ref().to_glib_none().0,
            allowed.to_glib(),
            can_acquire.to_glib(),
            can_release.to_glib(),
        );
    }
}

fn release<P: IsA<Cancellable>>(&self, cancellable: Option<&P>) -> Result<(), Error> {
    unsafe {
        let mut error = ptr::null_mut();
        let _ = gio_sys::g_permission_release(
            self.as_ref().to_glib_none().0,
            cancellable.map(|p| p.as_ref()).to_glib_none().0,
            &mut error,
        );
        if error.is_null() {
            Ok(())
        } else {
            Err(from_glib_full(error))
        }
    }
}

fn release_async<P: IsA<Cancellable>, Q: FnOnce(Result<(), Error>) + Send + 'static>(
    &self,

```



```

cancellable: Option<&P>,
callback: Q,
) {
let user_data: Box<Q> = Box::new(callback);
unsafe extern "C" fn release_async_trampoline<
    Q: FnOnce(Result<(), Error>) + Send + 'static,
>(
    _source_object: *mut gobject_sys::GObject,
    res: *mut gio_sys::GAsyncResult,
    user_data: glib_sys::gpointer,
) {
    let mut error = ptr::null_mut();
    let _ = gio_sys::g_permission_release_finish(_source_object as *mut _, res, &mut error);
    let result = if error.is_null() {
        Ok(())
    } else {
        Err(from_glib_full(error))
    };
    let callback: Box<Q> = Box::from_raw(user_data as *mut _);
    callback(result);
}
let callback = release_async_trampoline::<Q>;
unsafe {
    gio_sys::g_permission_release_async(
        self.as_ref().to_glib_none().0,
        cancellable.map(|p| p.as_ref()).to_glib_none().0,
        Some(callback),
        Box::into_raw(user_data) as *mut _,
    );
}
}

#[cfg(feature = "futures")]
fn release_async_future(
    &self,
) -> Box<dyn future::Future<Output = Result<(), Error>> + std::marker::Unpin> {
    use fragile::Fragile;
    use GioFuture;

    GioFuture::new(self, move |obj, send| {
        let cancellable = Cancellable::new();
        let send = Fragile::new(send);
        obj.release_async(Some(&cancellable), move |res| {
            let _ = send.into_inner().send(res);
        });

        cancellable
    })
}

```

```

}

fn connect_property_allowed_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe extern "C" fn notify_allowed_trampoline<P, F: Fn(&P) + 'static>(
        this: *mut gio_sys::GPermission,
        _param_spec: glib_sys::gpointer,
        f: glib_sys::gpointer,
    ) where
        P: IsA<Permission>,
    {
        let f: &F = &*(f as *const F);
        f(&Permission::from_glib_borrow(this).unsafe_cast())
    }
    unsafe {
        let f: Box_<F> = Box_::new(f);
        connect_raw(
            self.as_ptr() as *mut _,
            b"notify::allowed\0".as_ptr() as *const _,
            Some(transmute(notify_allowed_trampoline::<Self, F> as usize)),
            Box_::into_raw(f),
        )
    }
}

fn connect_property_can_acquire_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe extern "C" fn notify_can_acquire_trampoline<P, F: Fn(&P) + 'static>(
        this: *mut gio_sys::GPermission,
        _param_spec: glib_sys::gpointer,
        f: glib_sys::gpointer,
    ) where
        P: IsA<Permission>,
    {
        let f: &F = &*(f as *const F);
        f(&Permission::from_glib_borrow(this).unsafe_cast())
    }
    unsafe {
        let f: Box_<F> = Box_::new(f);
        connect_raw(
            self.as_ptr() as *mut _,
            b"notify::can-acquire\0".as_ptr() as *const _,
            Some(transmute(notify_can_acquire_trampoline::<Self, F> as usize)),
            Box_::into_raw(f),
        )
    }
}

fn connect_property_can_release_notify<F: Fn(&Self) + 'static>(&self, f: F) -> SignalHandlerId {
    unsafe extern "C" fn notify_can_release_trampoline<P, F: Fn(&P) + 'static>(

```

```

        this: *mut gio_sys::GPermission,
        _param_spec: glib_sys::gpointer,
        f: glib_sys::gpointer,
    ) where
        P: IsA<Permission>,
    {
        let f: &F = &*(f as *const F);
        f(&Permission::from_glib_borrow(this).unsafe_cast())
    }
    unsafe {
        let f: Box_<F> = Box_::new(f);
        connect_raw(
            self.as_ptr() as *mut _,
            b"notify::can-release\0".as_ptr() as *const _,
            Some(transmute(notify_can_release_trampoline::<Self, F> as usize)),
            Box_::into_raw(f),
        )
    }
}
}
}

impl fmt::Display for Permission {
    fn fmt(&self, f: &mut fmt::Formatter) -> fmt::Result {
        write!(f, "Permission")
    }
}
}
}

```

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!<arch>

/ 1516160780 0 0 0 260 `

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## 1.331 gcr 3.28.0-1

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Ty Coon, President of Vice

That's all there is to it!

## 1.332 systemd-shim 237 3ubuntu10.31

## 1.332.1 Available under license :

From: Michael Biebl <biebl@debian.org>

Date: Sun, 17 Dec 2017 00:31:20 +0100

Subject: Revert "udev-rules: Permission changes for /dev/dri/renderD\*"

This would introduce a new system group "render". As the name is rather generic, this needs further discussion first, so revert this change for now.

This reverts commit 4e15a7343cb389e97f3eb4f49699161862d8b8b2.

---

```
meson.build          | 2 --
meson_options.txt    | 2 --
rules/50-udev-default.rules.in | 5 +----
src/login/70-uaccess.rules | 2 +-
4 files changed, 2 insertions(+), 9 deletions(-)
```

```
diff --git a/meson.build b/meson.build
```

```
index c734561..b9e59ec 100644
```

```
--- a/meson.build
```

```
+++ b/meson.build
```

```
@@ -753,7 +753,6 @@ if get_option('wheel-group')
```

```
endif
```

```
substs.set('DEV_KVM_MODE', get_option('dev-kvm-mode'))
```

```
-substs.set('GROUP_RENDER_MODE', get_option('group-render-mode'))
```

```
kill_user_processes = get_option('default-kill-user-processes')
```

```
conf.set10('KILL_USER_PROCESSES', kill_user_processes)
```

```
@@ -2741,7 +2740,6 @@ status = [
```

```
    'minimum container UID base:    @0@'.format(container_uid_base_min),
```

```
    'maximum container UID base:    @0@'.format(container_uid_base_max),
```

```
    '/dev/kvm access mode:          @0@'.format(get_option('dev-kvm-mode')),
```

```
-    'render group access mode:      @0@'.format(get_option('group-render-mode')),
```

```
    'certificate root directory:    @0@'.format(get_option('certificate-root')),
```

```
    'support URL:                   @0@'.format(support_url),
```

```
    'nobody user name:              @0@'.format(nobody_user),
```

```
diff --git a/meson_options.txt b/meson_options.txt
```

```
index 39822d6..b1d035f 100644
```

```
--- a/meson_options.txt
```

```
+++ b/meson_options.txt
```

```
@@ -177,8 +177,6 @@ option('nobody-group', type : 'string',
```

```
    value : 'nobody')
```

```
option('dev-kvm-mode', type : 'string', value : '0666',
```

```
    description : '/dev/kvm access mode')
```

```
-option('group-render-mode', type : 'string', value : '0666',
```

```
-    description : 'Access mode for devices owned by render group (e.g. /dev/dri/renderD*, /dev/kfd).')
```

```
option('default-kill-user-processes', type : 'boolean',
```



```

description : 'the default value for KillUserProcesses= setting')
option('gshadow', type : 'boolean',
diff --git a/rules/50-udev-default.rules.in b/rules/50-udev-default.rules.in
index bd4c215..549a4f0 100644
--- a/rules/50-udev-default.rules.in
+++ b/rules/50-udev-default.rules.in
@@ -31,14 +31,11 @@ SUBSYSTEM=="input", KERNEL=="js[0-9]*", MODE="0664"

SUBSYSTEM=="video4linux", GROUP="video"
SUBSYSTEM=="graphics", GROUP="video"
-SUBSYSTEM=="drm", KERNEL!="renderD*", GROUP="video"
+SUBSYSTEM=="drm", GROUP="video"
SUBSYSTEM=="dvb", GROUP="video"
SUBSYSTEM=="media", GROUP="video"
SUBSYSTEM=="cec", GROUP="video"

-SUBSYSTEM=="drm", KERNEL=="renderD*", GROUP="render", MODE="@GROUP_RENDER_MODE@"
-SUBSYSTEM=="kfd", GROUP="render", MODE="@GROUP_RENDER_MODE@"
-
SUBSYSTEM=="sound", GROUP="audio", \
  OPTIONS+="static_node=snd/seq", OPTIONS+="static_node=snd/timer"

diff --git a/src/login/70-uaccess.rules b/src/login/70-uaccess.rules
index f2c838f..f3a2e66 100644
--- a/src/login/70-uaccess.rules
+++ b/src/login/70-uaccess.rules
@@ -45,7 +45,7 @@ SUBSYSTEM=="firewire", ATTR{units}=="*0x00a02d:0x010001*", TAG+="uaccess"
SUBSYSTEM=="firewire", ATTR{units}=="*0x00a02d:0x014001*", TAG+="uaccess"

# DRI video devices
-SUBSYSTEM=="drm", KERNEL=="card*", TAG+="uaccess"
+SUBSYSTEM=="drm", KERNEL=="card*|renderD*", TAG+="uaccess"

# smart-card readers
ENV{ID_SMARTCARD_READER}=="?*", TAG+="uaccess"
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: systemd
Upstream-Contact: systemd-devel@lists.freedesktop.org
Source: https://www.freedesktop.org/wiki/Software/systemd/

Files: debian/*
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          2013-2015 Michael Biebl <biebl@debian.org>
          2013 Michael Stapelberg <stapelberg@debian.org>
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Files: *
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```

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2012 Dan Walsh  
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Files: src/basic/siphash24.h

src/basic/siphash24.c

Copyright: 2012 Jean-Philippe Aumasson <jeanphilippe.aumasson@gmail.com>

2012 Daniel J. Bernstein <djb@cr.yp.to>

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Files: src/basic/securebits.h

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Files: src/basic/ioprio.h

Copyright: Jens Axboe <axboe@suse.de>

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Files: src/shared/linux/auto\_dev-ioctl.h

Copyright: 2008 Red Hat, Inc.

2008 Ian Kent <raven@themaw.net>

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Files: src/basic/sparse-endian.h

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License: Expat

Files: src/journal/lookup3.c

src/journal/lookup3.h

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2014 Carlos Garnacho <carlosg@gnome.org>

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Files: src/udev/udev-ctrl.c

src/udev/udevadm-hwdb.c

src/udev/udev-builtin.c

src/udev/udev-builtin-net\_id.c

src/udev/udev-builtin-net\_setup\_link.c

src/udev/udev-builtin-hwdb.c

src/udev/udev-builtin-btrfs.c

src/udev/udev-builtin-keyboard.c

src/udev/net/link-config.h

src/udev/net/link-config.c

src/udev/net/ethtool-util.c

src/udev/net/ethtool-util.h

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Files: src/udev/scsi\_id/scsi.h

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### 1ubuntu1

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Upstream-Maintainer: Phil Blundell <philb@gnu.org>,

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# 1.334 Isb 9.20170808ubuntu1

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Upstream-Name: LSB implementation package

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## 1.338 curl 7.58.0 2ubuntu3.8

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## 1.339 harfbuzz 1.7.2 1ubuntu1

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
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Theodore Ts'o  
23-June-2007

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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#

# 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): $(OBJS)
```

```
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
```

```
$(MV) pic/$(BSD_LIB) .
```

```
$(RM) -f ../$(BSD_LIB)
```

```
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
```

```
`echo $(my_dir) | sed -e 's/lib/;"/$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install:: $(BSD_LIB)
```

```
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
```

```
@$(INSTALL_PROGRAM) $(BSD_LIB) \
```

```
$(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
@-$(LDCONFIG)
```

```
install-strip: install
```

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

```
uninstall-shlibs uninstall::
```

```
$(RM) -f $(DESTDIR)$$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean::
```

```
$(RM) -rf pic
```

```
$(RM) -f $(BSD_LIB)
```

```
$(RM) -f ../$(BSD_LIB)
```

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Follows the GNU license.

Gadi Oxman, August 1995

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Version 2, June 1991

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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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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) 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  
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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
```

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Public License instead of this License.

Index: tdbsa/tdb.c

=====

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

```
+++ tdbsa/tdb.c
```

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

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

```
*/
```

```
/*
```

```
- Unix SMB/CIFS implementation.
```

- + trivial database library - standalone version
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell            2005
- + Copyright (C) Andrew Tridgell            1999-2005
- + Copyright (C) Jeremy Allison            2000-2006
- + Copyright (C) Paul `Rusty' Russell      2000

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## 1.342 autogen 5.18.7-3

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## 1.347 eclipse-core-filesystem 1.3.100

## 1.348 libmodule-pluggable-perl 5.1-1

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Upstream-Name: Module-Pluggable

Source: <https://metacpan.org/release/Module-Pluggable>

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

Files: \*

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## 1.353 python-crypto 2.6.1 8ubuntu2

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~~~~~

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Last updated: 2009-02-28

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# 1.356 Ishw 02.18-0.1ubuntu6

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## 1.357 systemd 204-5ubuntu20.26

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# 1.358 Ixml 4.2.1 1ubuntu0.1

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## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, \*BSD)

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## Commands to generate dependency files

GEN\_DEPS.c= \$(CC) -E -MM \$(DEFS) \$(CPPFLAGS)

GEN\_DEPS.cc= \$(CXX) -E -MM \$(DEFS) \$(CPPFLAGS)

## Flags for position independent code

SHAREDLIBCFLAGS = -fPIC

SHAREDLIBCXXFLAGS = -fPIC

SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D\_REENTRANT

LIBCPPFLAGS =

## Compiler switch to embed a runtime search path

LD\_RPATH=

LD\_RPATH\_PRE= -Wl,-rpath,

## Compiler switch to embed a library name

LD\_SONAME = -Wl,-soname -Wl,\$(notdir \$(MIDDLE\_SO\_TARGET))

## Shared library options

LD\_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix

SO = so

## Non-shared intermediate object suffix

STATIC\_O = ao

## Compilation rules

%. \$(STATIC\_O): \$(srcdir)/%.c

\$(COMPILE.c) \$(STATICCPPFLAGS) \$(STATICCFLAGS) -o \$@ \$<

```

%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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

```

### ## Dependency rules

```

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

```

```

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

```

### ## Versioned libraries rules

```

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

```

### ## Bind internal references

```

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

```

```

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

```

```

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

```

```

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man3/LIST\_FIRST.3 man3/LIST\_FOREACH.3 man3/LIST\_HEAD.3

man3/LIST\_HEAD\_INITIALIZER.3 man3/LIST\_INIT.3

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man3/LIST\_INSERT\_HEAD.3 man3/LIST\_NEXT.3 man3/LIST\_REMOVE.3

man3/SLIST\_EMPTY.3 man3/SLIST\_ENTRY.3 man3/SLIST\_FIRST.3

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man3/SLIST\_NEXT.3 man3/SLIST\_REMOVE.3 man3/SLIST\_REMOVE\_HEAD.3

man3/STAILQ\_CONCAT.3 man3/STAILQ\_EMPTY.3 man3/STAILQ\_ENTRY.3

man3/STAILQ\_FIRST.3 man3/STAILQ\_FOREACH.3 man3/STAILQ\_HEAD.3

man3/STAILQ\_HEAD\_INITIALIZER.3 man3/STAILQ\_INIT.3

man3/STAILQ\_INSERT\_AFTER.3 man3/STAILQ\_INSERT\_HEAD.3



man3/STAILQ\_INSERT\_TAIL.3 man3/STAILQ\_NEXT.3 man3/STAILQ\_REMOVE.3  
man3/STAILQ\_REMOVE\_HEAD.3 man3/STAILQ\_CONCAT.3 man3/STAILQ\_EMPTY.3  
man3/STAILQ\_ENTRY.3 man3/STAILQ\_FIRST.3 man3/STAILQ\_FOREACH.3  
man3/STAILQ\_FOREACH\_REVERSE.3 man3/STAILQ\_HEAD.3  
man3/STAILQ\_HEAD\_INITIALIZER.3 man3/STAILQ\_INIT.3  
man3/STAILQ\_INSERT\_AFTER.3 man3/STAILQ\_INSERT\_BEFORE.3  
man3/STAILQ\_INSERT\_HEAD.3 man3/STAILQ\_INSERT\_TAIL.3 man3/STAILQ\_LAST.3  
man3/STAILQ\_NEXT.3 man3/STAILQ\_PREV.3 man3/STAILQ\_REMOVE.3  
man3/STAILQ\_SWAP.3 man3/forkpty.3 man3/getloadavg.3 man3/login\_tty.3  
man3/openpty.3 man3/queue.3 man7/operator.7 man7/symlink.7

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Files: man2/accept.2 man2/accept4.2 man2/strncat.2 man2/strncat64.2  
man2/getpeername.2 man2/getpgid.2 man2/getpgrp.2 man2/getpriority.2  
man2/getsockname.2 man2/getsockopt.2 man2/ioctl.2 man2/killpg.2  
man2/listen.2 man2/lseek.2 man2/readlink.2 man2/readlinkat.2  
man2/recv.2 man2/recvfrom.2 man2/recvmsg.2 man2/send.2 man2/sendmsg.2  
man2/sendto.2 man2/setpgid.2 man2/setpgrp.2 man2/setpriority.2  
man2/setregid.2 man2/setregid32.2 man2/setreuid.2 man2/setreuid32.2  
man2/setsockopt.2 man2/shutdown.2 man2/socket.2 man2/socketpair.2  
man2/syscall.2 man2/truncate.2 man2/truncate64.2 man3/alloca.3  
man3/auth\_destroy.3 man3/authnone\_create.3 man3/authunix\_create.3  
man3/authunix\_create\_default.3 man3/btree.3 man3/callrpc.3  
man3/clearerr.3 man3/clnt\_broadcast.3 man3/clnt\_call.3  
man3/clnt\_control.3 man3/clnt\_create.3 man3/clnt\_destroy.3  
man3/clnt\_freeres.3 man3/clnt\_geterr.3 man3/clnt\_pcreateerror.3  
man3/clnt\_perrno.3 man3/clnt\_perror.3 man3/clnt\_screateerror.3  
man3/clnt\_sperrno.3 man3/clnt\_sperror.3 man3/clntraw\_create.3  
man3/clnttcp\_create.3 man3/clntudp\_bufcreate.3 man3/clntudp\_create.3  
man3/daemon.3 man3/db.3 man3/dbopen.3 man3/endirpcent.3 man3/err.3  
man3/errx.3 man3/exec.3 man3/execl.3 man3/execlp.3 man3/execlp.3  
man3/execlp.3 man3/execlp.3 man3/execlp.3 man3/execlp.3 man3/execlp.3  
man3/feof.3 man3/ferror.3 man3/fflush.3 man3/fgetpos.3 man3/fileno.3  
man3/fopen.3 man3/fread.3 man3/freopen.3 man3/fscanf.3 man3/fseek.3  
man3/fsetpos.3 man3/ftell.3 man3/fts.3 man3/fts\_children.3  
man3/fts\_close.3 man3/fts\_open.3 man3/fts\_read.3 man3/fts\_set.3  
man3/fwrite.3 man3/get\_myaddress.3 man3/getrpcbyname.3  
man3/getrpcbynumber.3 man3/getrpccent.3 man3/getrpcport.3 man3/hash.3  
man3/iruserok.3 man3/iruserok\_af.3 man3/killpg.3 man3/mpool.3  
man3/pclose.3 man3/pmap\_getmaps.3 man3/pmap\_getport.3  
man3/pmap\_rmtcall.3 man3/pmap\_set.3 man3/pmap\_unset.3 man3/popen.3  
man3/rcmd.3 man3/rcmd\_af.3 man3/recno.3 man3/registerrpc.3

man3/rewind.3 man3/rexec.3 man3/rexec\_af.3 man3/rpc.3  
man3/rresvport.3 man3/rresvport\_af.3 man3/ruserok.3 man3/ruserok\_af.3  
man3/scanf.3 man3/setbuf.3 man3/setbuffer.3 man3/setlinebuf.3  
man3/setrpercent.3 man3/setvbuf.3 man3/sscanf.3 man3/stdarg.3  
man3/stdio.3 man3/strtod.3 man3/strtof.3 man3/strtold.3  
man3/svc\_destroy.3 man3/svc\_freeargs.3 man3/svc\_getargs.3  
man3/svc\_getcaller.3 man3/svc\_getreq.3 man3/svc\_getreqset.3  
man3/svc\_register.3 man3/svc\_run.3 man3/svc\_sendreply.3  
man3/svc\_unregister.3 man3/svcerr\_auth.3 man3/svcerr\_decode.3  
man3/svcerr\_noproc.3 man3/svcerr\_noprogram.3 man3/svcerr\_progvers.3  
man3/svcerr\_systemerr.3 man3/svcerr\_weakauth.3 man3/svcfd\_create.3  
man3/svcraw\_create.3 man3/svctcp\_create.3 man3/svcudp\_bufcreate.3  
man3/svcudp\_create.3 man3/va\_arg.3 man3/va\_copy.3 man3/va\_end.3  
man3/va\_start.3 man3/verr.3 man3/verrx.3 man3/vfscanf.3 man3/vscanf.3  
man3/vsscanf.3 man3/vwarn.3 man3/vwarnx.3 man3/warn.3 man3/warnx.3  
man3/xdr.3 man3/xdr\_accepted\_reply.3 man3/xdr\_array.3  
man3/xdr\_authunix\_parms.3 man3/xdr\_bool.3 man3/xdr\_bytes.3  
man3/xdr\_callhdr.3 man3/xdr\_callmsg.3 man3/xdr\_char.3  
man3/xdr\_destroy.3 man3/xdr\_double.3 man3/xdr\_enum.3 man3/xdr\_float.3  
man3/xdr\_free.3 man3/xdr\_getpos.3 man3/xdr\_inline.3 man3/xdr\_int.3  
man3/xdr\_long.3 man3/xdr\_opaque.3 man3/xdr\_opaque\_auth.3  
man3/xdr\_pmap.3 man3/xdr\_pmaplist.3 man3/xdr\_pointer.3  
man3/xdr\_reference.3 man3/xdr\_rejected\_reply.3 man3/xdr\_replymsg.3  
man3/xdr\_setpos.3 man3/xdr\_short.3 man3/xdr\_string.3  
man3/xdr\_u\_char.3 man3/xdr\_u\_int.3 man3/xdr\_u\_long.3  
man3/xdr\_u\_short.3 man3/xdr\_union.3 man3/xdr\_vector.3 man3/xdr\_void.3  
man3/xdr\_wrapstring.3 man3/xdrmem\_create.3 man3/xdrrec\_create.3  
man3/xdrrec\_endofrecord.3 man3/xdrrec\_eof.3 man3/xdrrec\_skiprecord.3  
man3/xdrstdio\_create.3 man3/xprt\_register.3 man3/xprt\_unregister.3  
man5/rpc.5 man7/hostname.7 man7/mdoc.7 man7/mdoc.samples.7

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man3/error.3 man3/error\_at\_line.3 man3/error\_message\_count.3  
man3/error\_one\_per\_line.3 man3/error\_print\_progname.3  
man3/getsubopt.3 man3/offsetof.3 man3/program\_invocation\_name.3  
man3/program\_invocation\_short\_name.3 man3/rpmatch.3 man5/elf.5  
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man4/hpsa.4 man4/smrtmqi.4 man5/gai.conf.5 man5/nss.5 man7/cpuset.7  
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man1/memusage.1 man1/memusagestat.1 man1/mtrace.1 man1/time.1  
man2/\_\_clone2.2 man2/\_syscall.2 man2/acct.2 man2/add\_key.2  
man2/adjtimex.2 man2/afs\_syscall.2 man2/bdflush.2 man2/break.2  
man2/brk.2 man2/cacheflush.2 man2/capget.2 man2/capset.2 man2/clone.2  
man2/clone2.2 man2/create\_module.2 man2/epoll\_create.2  
man2/epoll\_create1.2 man2/epoll\_ctl.2 man2/epoll\_pwait.2  
man2/epoll\_wait.2 man2/eventfd.2 man2/eventfd2.2 man2/fattach.2  
man2/fdetach.2 man2/fgetxattr.2 man2/flistxattr.2 man2/fremovexattr.2  
man2/fsetxattr.2 man2/get\_kernel\_syms.2 man2/get\_thread\_area.2

man2/getmsg.2 man2/getpmsg.2 man2/getsid.2 man2/getxattr.2  
man2/gtty.2 man2/inb.2 man2/inb\_p.2 man2/inl.2 man2/inl\_p.2  
man2/inotify\_add\_watch.2 man2/inotify\_init.2 man2/inotify\_init1.2  
man2/inotify\_rm\_watch.2 man2/insb.2 man2/insl.2 man2/insw.2  
man2/inw.2 man2/inw\_p.2 man2/io\_cancel.2 man2/io\_destroy.2  
man2/io\_getevents.2 man2/io\_setup.2 man2/io\_submit.2  
man2/ioctl\_console.2 man2/ioctl\_ficlone.2 man2/ioctl\_ficlone.2  
man2/ioctl\_fiduperange.2 man2/ioctl\_getfsmap.2 man2/ioctl\_tty.2  
man2/ioperm.2 man2/ioprio\_get.2 man2/ioprio\_set.2 man2/ipc.2  
man2/isastream.2 man2/lgetxattr.2 man2/listxattr.2 man2/lsetxattr.2  
man2/lock.2 man2/lremovexattr.2 man2/lsetxattr.2 man2/madvise1.2  
man2/memfd\_create.2 man2/mkdir.2 man2/mkdirat.2 man2/mknod.2  
man2/mknodat.2 man2/mlock.2 man2/mlock2.2 man2/mlockall.2  
man2/modify\_ldt.2 man2/mpx.2 man2/mremap.2 man2/munlock.2  
man2/munlockall.2 man2/nanosleep.2 man2/outb.2 man2/outb\_p.2  
man2/outl.2 man2/outl\_p.2 man2/outsb.2 man2/outsl.2 man2/outsw.2  
man2/outw.2 man2/outw\_p.2 man2/perf\_event\_open.2 man2/phys.2  
man2/pivot\_root.2 man2/prof.2 man2/ptrace.2 man2/putmsg.2  
man2/putpmsg.2 man2/query\_module.2 man2/removexattr.2  
man2/request\_key.2 man2/s390\_pci\_mmio\_read.2  
man2/s390\_pci\_mmio\_write.2 man2/s390\_runtime\_instr.2  
man2/s390\_sthyi.2 man2/sbrk.2 man2/sched\_get\_priority\_max.2  
man2/sched\_get\_priority\_min.2 man2/sched\_getaffinity.2  
man2/sched\_getparam.2 man2/sched\_rr\_get\_interval.2  
man2/sched\_setaffinity.2 man2/sched\_setparam.2 man2/sched\_yield.2  
man2/security.2 man2/set\_thread\_area.2 man2/setsid.2 man2/setxattr.2  
man2/signalfd.2 man2/signalfd4.2 man2/socketcall.2 man2/spu\_create.2  
man2/spu\_run.2 man2/stty.2 man2/timerfd\_create.2  
man2/timerfd\_gettime.2 man2/timerfd\_settime.2 man2/tuxcall.2  
man2/unimplemented.2 man2/unshare.2 man2/vserver.2 man3/DES\_FAILED.3  
man3/MB\_CUR\_MAX.3 man3/MB\_LEN\_MAX.3 man3/\_\_after\_morecore\_hook.3  
man3/\_\_free\_hook.3 man3/\_\_malloc\_hook.3  
man3/\_\_malloc\_initialize\_hook.3 man3/\_\_memalign\_hook.3  
man3/\_\_realloc\_hook.3 man3/\_\_setpucw.3 man3/a64l.3  
man3/addseverity.3 man3/aio\_cancel.3 man3/aio\_error.3  
man3/aio\_fsync.3 man3/aio\_read.3 man3/aio\_return.3 man3/aio\_suspend.3  
man3/aio\_write.3 man3/argz.3 man3/argz\_add.3 man3/argz\_add\_sep.3  
man3/argz\_append.3 man3/argz\_count.3 man3/argz\_create.3  
man3/argz\_create\_sep.3 man3/argz\_delete.3 man3/argz\_extract.3  
man3/argz\_insert.3 man3/argz\_next.3 man3/argz\_replace.3  
man3/argz\_stringify.3 man3/btowc.3 man3/cabs.3 man3/cabsf.3  
man3/cabsl.3 man3/cacos.3 man3/cacosf.3 man3/cacosh.3 man3/cacoshf.3  
man3/cacoshl.3 man3/cacosl.3 man3/carg.3 man3/cargf.3 man3/cargl.3  
man3/casin.3 man3/casinf.3 man3/casinh.3 man3/casinhf.3  
man3/casinh1.3 man3/casin1.3 man3/catan.3 man3/catanf.3 man3/catanh.3  
man3/catanhf.3 man3/catanhl.3 man3/catanl.3 man3/cbc\_crypt.3  
man3/ccos.3 man3/ccosf.3 man3/ccosh.3 man3/ccoshf.3 man3/ccoshl.3  
man3/ccosl.3 man3/cexp.3 man3/cexp2.3 man3/cexp2f.3 man3/cexp2l.3

man3/cexpf.3 man3/cexpl.3 man3/cfgetispeed.3 man3/cfgetospeed.3  
man3/cfmakeraw.3 man3/cfree.3 man3/cfsetispeed.3 man3/cfsetospeed.3  
man3/cfsetspeed.3 man3/cimag.3 man3/cimagf.3 man3/cimagl.3  
man3/clog.3 man3/clog10.3 man3/clog10f.3 man3/clog10l.3 man3/clog2.3  
man3/clog2f.3 man3/clog2l.3 man3/clogf.3 man3/clogl.3 man3/conj.3  
man3/conjf.3 man3/conjl.3 man3/cpow.3 man3/cpowf.3 man3/cpowl.3  
man3/cproj.3 man3/cprojf.3 man3/cprojl.3 man3/creal.3 man3/crealf.3  
man3/creall.3 man3/crypt.3 man3/crypt\_r.3 man3/csin.3 man3/csinf.3  
man3/csinh.3 man3/csinhf.3 man3/csinhl.3 man3/csinl.3 man3/csqr.3  
man3/csqr.3 man3/csqr.3 man3/ctan.3 man3/ctanf.3 man3/ctanh.3  
man3/ctanhf.3 man3/ctanhl.3 man3/ctanl.3 man3/des\_crypt.3  
man3/des\_setparity.3 man3/dlclose.3 man3/dlerror.3 man3/dlmopen.3  
man3/dlopen.3 man3/dlsym.3 man3/dlvsym.3 man3/dprintf.3  
man3/ecb\_crypt.3 man3/encrypt.3 man3/encrypt\_r.3 man3/endaliasent.3  
man3/endnetgrent.3 man3/endspent.3 man3/entttyent.3 man3/enttutent.3  
man3/entutxent.3 man3/envz.3 man3/envz\_add.3 man3/envz\_entry.3  
man3/envz\_get.3 man3/envz\_merge.3 man3/envz\_remove.3  
man3/envz\_strip.3 man3/errno.3 man3/eventfd\_read.3  
man3/eventfd\_write.3 man3/fdim.3 man3/fdimf.3 man3/fdiml.3  
man3/feclearexcept.3 man3/fedisableexcept.3 man3/feenableexcept.3  
man3/fegetenv.3 man3/fegetexcept.3 man3/fegetexceptflag.3  
man3/fegetround.3 man3/feholdexcept.3 man3/fenv.3  
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man3/fgetgrent\_r.3 man3/fgetpwent\_r.3 man3/fgetspent.3  
man3/fgetspent\_r.3 man3/fgetwc.3 man3/fgetws.3 man3/fma.3 man3/fmaf.3  
man3/fmal.3 man3/fmax.3 man3/fmaxf.3 man3/fmaxl.3 man3/fmemopen.3  
man3/fmin.3 man3/fminf.3 man3/fminl.3 man3/fmtmsg.3 man3/fpclassify.3  
man3/fprintf.3 man3/fputwc.3 man3/fputws.3 man3/ftime.3 man3/ftw.3  
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man3/hcreate.3 man3/hcreate\_r.3 man3/hdestroy.3 man3/hdestroy\_r.3  
man3/hsearch.3 man3/hsearch\_r.3 man3/iconv.3 man3/iconv\_close.3  
man3/iconv\_open.3 man3/innetgr.3 man3/isfinite.3 man3/isgreater.3  
man3/isgreaterequal.3 man3/isinf.3 man3/isless.3 man3/islessequal.3  
man3/islessgreater.3 man3/isnan.3 man3/isnormal.3 man3/isunordered.3  
man3/iswalnum.3 man3/iswalpha.3 man3/iswblank.3 man3/iswcntrl.3  
man3/iswctype.3 man3/iswdigit.3 man3/iswgraph.3 man3/iswlower.3  
man3/iswprint.3 man3/iswpunct.3 man3/iswspace.3 man3/iswupper.3  
man3/iswxdigit.3 man3/key\_decryptsession.3 man3/key\_encryptsession.3  
man3/key\_gendes.3 man3/key\_secretkey\_is\_set.3 man3/key\_setsecret.3  
man3/l64a.3 man3/lckpwwd.3 man3/lgamma.3 man3/lgamma\_r.3

man3/lgammaf.3 man3/lgammaf\_r.3 man3/lgamma.3 man3/lgamma\_r.3  
man3/ljo\_listio.3 man3/lockf.3 man3/login.3 man3/logout.3  
man3/logwtmp.3 man3/longjmp.3 man3/malloc\_hook.3 man3/mblen.3  
man3/mbrlen.3 man3/mbrtowc.3 man3/mbsinit.3 man3/mbsrtowcs.3  
man3/mbsrtowcs.3 man3/mbstowcs.3 man3/mbtowc.3 man3/memcpy.3  
man3/nan.3 man3/nanf.3 man3/nanl.3 man3/netlink.3 man3/nextafter.3  
man3/nextafterf.3 man3/nextafterl.3 man3/nexttoward.3  
man3/nexttowardf.3 man3/nexttowardl.3 man3/nftw.3 man3/nl\_langinfo.3  
man3/nl\_langinfo\_l.3 man3/ntp\_adjtime.3 man3/open\_memstream.3  
man3/open\_wmemstream.3 man3/passwd2des.3 man3/perror.3  
man3/posix\_madvise.3 man3/printf.3 man3/putgrent.3 man3/putsptent.3  
man3/pututline.3 man3/pututxline.3 man3/putwc.3 man3/putwchar.3  
man3/remquo.3 man3/remquof.3 man3/remquo.3 man3/rtime.3  
man3/setaliasent.3 man3/setjmp.3 man3/setkey.3 man3/setkey\_r.3  
man3/setnetgrent.3 man3/setsptent.3 man3/settyent.3 man3/setutent.3  
man3/setutxent.3 man3/sgetspent.3 man3/sgetspent\_r.3  
man3/siglongjmp.3 man3/signbit.3 man3/signgam.3 man3/significand.3  
man3/significandf.3 man3/significandl.3 man3/sigsetjmp.3  
man3/sincos.3 man3/sincosf.3 man3/sincosl.3 man3/snprintf.3  
man3/sprintf.3 man3/stpncpy.3 man3/strfmon.3 man3/strfmon\_l.3  
man3/strnlen.3 man3/strtoimax.3 man3/strtoumax.3 man3/swprintf.3  
man3/sys\_errlist.3 man3/sys\_nerr.3 man3/tcdrain.3 man3/tcflow.3  
man3/tcflush.3 man3/tcgetattr.3 man3/tcsetattr.3 man3/tcsetattr.3  
man3/termios.3 man3/tgamma.3 man3/tgammaf.3 man3/tgamma.3  
man3/towctrans.3 man3/towlower.3 man3/towlower\_l.3 man3/towupper.3  
man3/towupper\_l.3 man3/ttyname.3 man3/ttyname\_r.3 man3/ualarm.3  
man3/ulckpwdf.3 man3/ungetwc.3 man3/updwtmp.3 man3/updwtmpx.3  
man3/utmpname.3 man3/utmpxname.3 man3/vdprintf.3 man3/vfprintf.3  
man3/vfwprintf.3 man3/vprintf.3 man3/vsnprintf.3 man3/vsprintf.3  
man3/vswprintf.3 man3/vwprintf.3 man3/wcpcpy.3 man3/wcpncpy.3  
man3/wcrtomb.3 man3/wcscasecmp.3 man3/wcscat.3 man3/wcschr.3  
man3/wcscmp.3 man3/wcscpy.3 man3/wcscspn.3 man3/wcsdup.3  
man3/wcslen.3 man3/wcsncasecmp.3 man3/wcsncat.3 man3/wcsncmp.3  
man3/wcsncpy.3 man3/wcsnlen.3 man3/wcsnrtombs.3 man3/wcspbrk.3  
man3/wcsrchr.3 man3/wcsrtombs.3 man3/wcsspn.3 man3/wcsstr.3  
man3/wcstoimax.3 man3/wcstok.3 man3/wcstombs.3 man3/wcstoumax.3  
man3/wcswidth.3 man3/wctob.3 man3/wctomb.3 man3/wctrans.3  
man3/wctype.3 man3/wcwidth.3 man3/wmemchr.3 man3/wmemcmp.3  
man3/wmemcpy.3 man3/wmemmove.3 man3/wmemcpy.3 man3/wmemset.3  
man3/wordexp.3 man3/wordfree.3 man3/wprintf.3 man3/xcrypt.3  
man3/xdecrypt.3 man3/xencrypt.3 man4/console\_codes.4  
man4/console\_ioctl.4 man4/dsp56k.4 man4/fd.4 man4/hd.4 man4/intro.4  
man4/kmem.4 man4/lirc.4 man4/loop-control.4 man4/loop.4 man4/lp.4  
man4/mem.4 man4/null.4 man4/port.4 man4/ram.4 man4/random.4  
man4 rtc.4 man4/sk98lin.4 man4/tty.4 man4/ttyS.4 man4/tty\_ioctl.4  
man4/urandom.4 man4/vcs.4 man4/vcsa.4 man4/veth.4 man4/wavelan.4  
man4/zero.4 man5/attr.5 man5/charmap.5 man5/filesystems.5 man5/fs.5  
man5/ftpusers.5 man5/group.5 man5/host.conf.5 man5/hosts.5

man5/hosts.equiv.5 man5/intro.5 man5/issue.5 man5/locale.5  
man5/motd.5 man5/networks.5 man5/nologin.5 man5/nscd.conf.5  
man5/nsswitch.conf.5 man5/passwd.5 man5/proc.5 man5/procfs.5  
man5/protocols.5 man5/repertoiremap.5 man5/securetty.5 man5/shells.5  
man5/termcap.5 man5/ttytype.5 man5/utmp.5 man5/utmpx.5 man5/wtmp.5  
man6/intro.6 man7/armSCII-8.7 man7/ascii.7 man7/attributes.7  
man7/boot.7 man7/bootparam.7 man7/charsets.7 man7/complex.7  
man7/cp1251.7 man7/cp1252.7 man7/envron.7 man7/epoll.7 man7/glob.7  
man7/intro.7 man7/iso-8859-1.7 man7/iso-8859-10.7 man7/iso-8859-11.7  
man7/iso-8859-13.7 man7/iso-8859-14.7 man7/iso-8859-15.7  
man7/iso-8859-16.7 man7/iso-8859-2.7 man7/iso-8859-3.7  
man7/iso-8859-4.7 man7/iso-8859-5.7 man7/iso-8859-6.7  
man7/iso-8859-7.7 man7/iso-8859-8.7 man7/iso-8859-9.7  
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man7/iso\_8859\_13.7 man7/iso\_8859\_14.7 man7/iso\_8859\_15.7  
man7/iso\_8859\_16.7 man7/iso\_8859\_2.7 man7/iso\_8859\_3.7  
man7/iso\_8859\_4.7 man7/iso\_8859\_5.7 man7/iso\_8859\_6.7  
man7/iso\_8859\_7.7 man7/iso\_8859\_8.7 man7/iso\_8859\_9.7 man7/keyrings.7  
man7/koi8-r.7 man7/koi8-u.7 man7/latin1.7 man7/latin10.7  
man7/latin2.7 man7/latin3.7 man7/latin4.7 man7/latin5.7 man7/latin6.7  
man7/latin7.7 man7/latin8.7 man7/latin9.7 man7/netlink.7  
man7/persistent-keyring.7 man7/posixoptions.7 man7/process-keyring.7  
man7/sched.7 man7/session-keyring.7 man7/sock\_diag.7 man7/spufs.7  
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man7/user-keyring.7 man7/user-session-keyring.7 man7/utf-8.7  
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man2/arm\_fadvise.2 man2/arm\_fadvise64\_64.2 man2/arm\_sync\_file\_range.2  
man2/bpf.2 man2/chdir.2 man2/chmod.2 man2/chown.2 man2/chown32.2

man2/chroot.2 man2/clock\_getres.2 man2/clock\_gettime.2  
man2/clock\_nanosleep.2 man2/clock\_settime.2 man2/close.2  
man2/copy\_file\_range.2 man2/creat.2 man2/delete\_module.2 man2/dup.2  
man2/dup2.2 man2/dup3.2 man2/execve.2 man2/execveat.2 man2/exit.2  
man2/exit\_group.2 man2/faccessat.2 man2/fadvise64.2  
man2/fadvise64\_64.2 man2/fanotify\_init.2 man2/fanotify\_mark.2  
man2/fchdir.2 man2/fchmod.2 man2/fchmodat.2 man2/fchown.2  
man2/fchown32.2 man2/fchownat.2 man2/fcntl.2 man2/fcntl64.2  
man2/fdatasync.2 man2/finit\_module.2 man2/flock.2 man2/fork.2  
man2/free\_hugepages.2 man2/fstat.2 man2/fstat64.2 man2/fstatat.2  
man2/fstatat64.2 man2/fstatfs.2 man2/fstatfs64.2 man2/fstatvfs.2  
man2/fsync.2 man2/futimesat.2 man2/get\_mempolicy.2  
man2/get\_robust\_list.2 man2/getcontext.2 man2/getcpu.2 man2/getcwd.2  
man2/getdents.2 man2/getdents64.2 man2/getdomainname.2  
man2/getdtablesize.2 man2/getegid.2 man2/getegid32.2 man2/geteuid.2  
man2/geteuid32.2 man2/getgid.2 man2/getgid32.2 man2/getgroups.2  
man2/getgroups32.2 man2/gethostid.2 man2/gethostname.2  
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man2/getresgid.2 man2/getresgid32.2 man2/getresuid.2  
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man2/idle.2 man2/init\_module.2 man2/intro.2 man2/ioctl\_fat.2  
man2/ioctl\_iflags.2 man2/ioctl\_ns.2 man2/ioctl\_userfaultfd.2  
man2/iopl.2 man2/kcmp.2 man2/kexec\_file\_load.2 man2/kexec\_load.2  
man2/keyctl.2 man2/kill.2 man2/lchown.2 man2/lchown32.2 man2/link.2  
man2/linkat.2 man2/lseek.2 man2/lookup\_dcookie.2 man2/lstat.2  
man2/lstat64.2 man2/madvise.2 man2/mbind.2 man2/membarrier.2  
man2/migrate\_pages.2 man2/mincore.2 man2/mmap.2 man2/mmap2.2  
man2/mount.2 man2/move\_pages.2 man2/mprotect.2 man2/mq\_getsetattr.2  
man2/mq\_notify.2 man2/mq\_open.2 man2/mq\_timedreceive.2  
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man2/oldfstat.2 man2/oldlstat.2 man2/oldolduname.2 man2/oldstat.2  
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man2/pipe2.2 man2/pkey\_alloc.2 man2/pkey\_free.2 man2/pkey\_mprotect.2  
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man2/prlimit.2 man2/prlimit64.2 man2/process\_vm\_readv.2  
man2/process\_vm\_writev.2 man2/pselect.2 man2/pselect6.2 man2/pwrite.2  
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man2/reboot.2 man2/recvmmsg.2 man2/remap\_file\_pages.2 man2/rename.2  
man2/renameat.2 man2/renameat2.2 man2/restart\_syscall.2 man2/rmdir.2  
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man2/rt\_sigtimedwait.2 man2/rt\_tgsigqueueinfo.2 man2/sched\_getattr.2

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man2/sched\_setscheduler.2 man2/seccomp.2 man2/select.2  
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man2/statx.2 man2/stime.2 man2/subpage\_prot.2 man2/swapoff.2  
man2/swapon.2 man2/symlink.2 man2/symlinkat.2 man2/sync.2  
man2/sync\_file\_range.2 man2/sync\_file\_range2.2 man2/syncfs.2  
man2/syscalls.2 man2/sysctl.2 man2/sysfs.2 man2/sysinfo.2  
man2/syslog.2 man2/tee.2 man2/tgkill.2 man2/time.2  
man2/timer\_create.2 man2/timer\_delete.2 man2/timer\_getoverrun.2  
man2/timer\_gettime.2 man2/timer\_settime.2 man2/times.2 man2/tkill.2  
man2/ugetrlimit.2 man2/umask.2 man2/umount.2 man2/umount2.2  
man2/uname.2 man2/unlink.2 man2/unlinkat.2 man2/uselib.2  
man2/userfaultfd.2 man2/ustat.2 man2/utime.2 man2/utimensat.2  
man2/utimes.2 man2/vfork.2 man2/vhangup.2 man2/vm86.2 man2/vm86old.2  
man2/vmsplice.2 man2/wait.2 man2/wait3.2 man2/wait4.2 man2/waitid.2  
man2/waitpid.2 man2/write.2 man2/writew.2 man3/MSG\_ALIGN.3  
man3/MSG\_DATA.3 man3/MSG\_FIRSTHDR.3 man3/MSG\_LEN.3  
man3/MSG\_NXTHDR.3 man3/MSG\_SPACE.3 man3/CPU\_ALLOC.3  
man3/CPU\_ALLOC\_SIZE.3 man3/CPU\_AND.3 man3/CPU\_AND\_S.3 man3/CPU\_CLR.3  
man3/CPU\_CLR\_S.3 man3/CPU\_COUNT.3 man3/CPU\_COUNT\_S.3 man3/CPU\_EQUAL.3  
man3/CPU\_EQUAL\_S.3 man3/CPU\_FREE.3 man3/CPU\_ISSET.3  
man3/CPU\_ISSET\_S.3 man3/CPU\_OR.3 man3/CPU\_OR\_S.3 man3/CPU\_SET.3  
man3/CPU\_SET\_S.3 man3/CPU\_XOR.3 man3/CPU\_XOR\_S.3 man3/CPU\_ZERO.3  
man3/CPU\_ZERO\_S.3 man3/FD\_CLR.3 man3/FD\_ISSET.3 man3/FD\_SET.3  
man3/FD\_ZERO.3 man3/HUGE\_VAL.3 man3/HUGE\_VALF.3 man3/HUGE\_VALL.3  
man3/INFINITY.3 man3/NAN.3 man3/\_\_\_fbufsize.3 man3/\_\_\_flbf.3  
man3/\_\_\_fpending.3 man3/\_\_\_fpurge.3 man3/\_\_\_freadable.3  
man3/\_\_\_freading.3 man3/\_\_\_fsetlocking.3 man3/\_\_\_fwritable.3  
man3/\_\_\_fwriting.3 man3/\_\_\_ppc\_get\_timebase.3  
man3/\_\_\_ppc\_get\_timebase\_freq.3 man3/\_\_\_ppc\_mdoio.3 man3/\_\_\_ppc\_mdoom.3  
man3/\_\_\_ppc\_set\_ppr\_low.3 man3/\_\_\_ppc\_set\_ppr\_med.3  
man3/\_\_\_ppc\_set\_ppr\_med\_high.3 man3/\_\_\_ppc\_set\_ppr\_med\_low.3  
man3/\_\_\_ppc\_set\_ppr\_very\_low.3 man3/\_\_\_ppc\_yield.3 man3/\_flushlbf.3  
man3/abort.3 man3/abs.3 man3/acos.3 man3/acosf.3 man3/acosh.3

man3/acoshf.3 man3/acoshl.3 man3/acosl.3 man3/addmntent.3  
man3/adjtime.3 man3/aio\_init.3 man3/aligned\_alloc.3 man3/asctime.3  
man3/asctime\_r.3 man3/asin.3 man3/asinf.3 man3/asinh.3 man3/asinhf.3  
man3/asinhl.3 man3/asinl.3 man3/asprintf.3 man3/assert.3  
man3/assert\_perror.3 man3/atan.3 man3/atan2.3 man3/atan2f.3  
man3/atan2l.3 man3/atanf.3 man3/atanh.3 man3/atanhf.3 man3/atanhl.3  
man3/atanl.3 man3/atexit.3 man3/atof.3 man3/atoi.3 man3/atol.3  
man3/atoll.3 man3/atoq.3 man3/basename.3 man3/bcmp.3 man3/bcopy.3  
man3/be16toh.3 man3/be32toh.3 man3/be64toh.3 man3/bindresvport.3  
man3/bsd\_signal.3 man3/bsearch.3 man3/bstring.3 man3/bswap.3  
man3/bswap\_16.3 man3/bswap\_32.3 man3/bswap\_64.3 man3/byteorder.3  
man3/bzero.3 man3/calloc.3 man3/canonicalize\_file\_name.3  
man3/catclose.3 man3/catgets.3 man3/catopen.3 man3/cbrt.3  
man3/cbrtf.3 man3/cbrtl.3 man3/ceil.3 man3/ceilf.3 man3/ceill.3  
man3/clearenv.3 man3/clearerr\_unlocked.3 man3/clock.3  
man3/clock\_getcpuclockid.3 man3/clock\_getres.3 man3/clock\_gettime.3  
man3/clock\_settime.3 man3/closedir.3 man3/closelog.3 man3/cmsg.3  
man3/confstr.3 man3/copysign.3 man3/copysignf.3 man3/copysignl.3  
man3/cos.3 man3/cosf.3 man3/cosh.3 man3/coshf.3 man3/coshl.3  
man3/cosl.3 man3/ctermid.3 man3/ctime.3 man3/ctime\_r.3 man3/cuserid.3  
man3/daylight.3 man3/difftime.3 man3/dirfd.3 man3/dirname.3  
man3/div.3 man3/dl\_iterate\_phdr.3 man3/dladdr.3 man3/dladdr1.3  
man3/dlinfo.3 man3/dn\_comp.3 man3/dn\_expand.3 man3/drand48.3  
man3/drand48\_r.3 man3/drem.3 man3/dremf.3 man3/dreml.3  
man3/duplocale.3 man3/dysize.3 man3/eaccess.3 man3/ecvt.3  
man3/ecvt\_r.3 man3/edata.3 man3/end.3 man3/endsent.3 man3/engrent.3  
man3/endhostent.3 man3/endian.3 man3/endlmntent.3 man3/endnetent.3  
man3/endprotoent.3 man3/endpwent.3 man3/endservent.3  
man3/endusershell.3 man3/erand48.3 man3/erand48\_r.3 man3/erf.3  
man3/erfc.3 man3/erfcf.3 man3/erfcl.3 man3/erff.3 man3/erfl.3  
man3/etext.3 man3/ether\_aton.3 man3/ether\_aton\_r.3  
man3/ether\_hostton.3 man3/ether\_line.3 man3/ether\_ntoa.3  
man3/ether\_ntoa\_r.3 man3/ether\_ntohost.3 man3/euidaccess.3  
man3/exit.3 man3/exp.3 man3/exp10.3 man3/exp10f.3 man3/exp10l.3  
man3/exp2.3 man3/exp2f.3 man3/exp2l.3 man3/expf.3 man3/expl.3  
man3/explicit\_bzero.3 man3/expm1.3 man3/expm1f.3 man3/expm1l.3  
man3/fabs.3 man3/fabsf.3 man3/fabsl.3 man3/fcloseall.3 man3/fcvt.3  
man3/fcvt\_r.3 man3/fdopendir.3 man3/feof\_unlocked.3  
man3/ferror\_unlocked.3 man3/fexecve.3 man3/fflush\_unlocked.3  
man3/ffs.3 man3/ffsl.3 man3/ffsll.3 man3/fgetc.3  
man3/fgetc\_unlocked.3 man3/fgetgrent.3 man3/fgetpwent.3 man3/fgets.3  
man3/fgets\_unlocked.3 man3/fgetwc\_unlocked.3 man3/fgetws\_unlocked.3  
man3/fileno\_unlocked.3 man3/finite.3 man3/finitf.3 man3/finitel.3  
man3/flockfile.3 man3/floor.3 man3/floorf.3 man3/floorl.3 man3/fmod.3  
man3/fmodf.3 man3/fmodl.3 man3/fnmatch.3 man3/fopencookie.3  
man3/fpathconf.3 man3/fpurge.3 man3/fputc.3 man3/fputc\_unlocked.3  
man3/fputs.3 man3/fputs\_unlocked.3 man3/fputwc\_unlocked.3  
man3/fputws\_unlocked.3 man3/fread\_unlocked.3 man3/free.3

man3/freeaddrinfo.3 man3/freehostent.3 man3/freeifaddrs.3  
man3/freelocale.3 man3/frexp.3 man3/frexp.3 man3/frexp.3  
man3/fseeko.3 man3/fstatvfs.3 man3/ftello.3 man3/ftok.3  
man3/ftrylockfile.3 man3/funlockfile.3 man3/futimens.3 man3/futimes.3  
man3/fwrite\_unlocked.3 man3/gai\_cancel.3 man3/gai\_error.3  
man3/gai\_strerror.3 man3/gai\_suspend.3 man3/gcvt.3  
man3/get\_avphys\_pages.3 man3/get\_current\_dir\_name.3 man3/get\_nprocs.3  
man3/get\_nprocs\_conf.3 man3/get\_phys\_pages.3 man3/getaddrinfo.3  
man3/getaddrinfo\_a.3 man3/getauxval.3 man3/getc.3  
man3/getc\_unlocked.3 man3/getchar.3 man3/getchar\_unlocked.3  
man3/getcontext.3 man3/getcwd.3 man3/getdate.3 man3/getdate\_err.3  
man3/getdate\_r.3 man3/getdelim.3 man3/getdirentries.3  
man3/getdtablesize.3 man3/getentropy.3 man3/getenv.3 man3/getfsent.3  
man3/getfsfile.3 man3/getfsspec.3 man3/getgrent.3 man3/getgrgid.3  
man3/getgrgid\_r.3 man3/getgrnam.3 man3/getgrnam\_r.3  
man3/getgrouplist.3 man3/gethostbyaddr.3 man3/gethostbyaddr\_r.3  
man3/gethostbyname.3 man3/gethostbyname2.3 man3/gethostbyname2\_r.3  
man3/gethostbyname\_r.3 man3/gethostent.3 man3/gethostent\_r.3  
man3/gethostid.3 man3/getifaddrs.3 man3/getipnodebyaddr.3  
man3/getipnodebyname.3 man3/getline.3 man3/getlogin.3  
man3/getlogin\_r.3 man3/getmntent.3 man3/getmntent\_r.3  
man3/getnetbyaddr.3 man3/getnetbyaddr\_r.3 man3/getnetbyname.3  
man3/getnetbyname\_r.3 man3/getnetent.3 man3/getnetent\_r.3  
man3/getopt.3 man3/getopt\_long.3 man3/getopt\_long\_only.3  
man3/getprotobyname.3 man3/getprotobyname\_r.3 man3/getprotobyname\_r.3  
man3/getprotobyname\_r.3 man3/getprotoent.3 man3/getprotoent\_r.3  
man3/getpw.3 man3/getpwent.3 man3/getpwnam.3 man3/getpwnam\_r.3  
man3/getpwuid.3 man3/getpwuid\_r.3 man3/getrpcbyname\_r.3  
man3/getrpcbynumber\_r.3 man3/getrpccent\_r.3 man3/gets.3  
man3/getservbyname.3 man3/getservbyname\_r.3 man3/getservbyport.3  
man3/getservbyport\_r.3 man3/getservent.3 man3/getservent\_r.3  
man3/getumask.3 man3/getusershell.3 man3/getutmp.3 man3/getutmpx.3  
man3/getw.3 man3/getwc\_unlocked.3 man3/getwchar\_unlocked.3  
man3/getwd.3 man3/glob.3 man3/globfree.3 man3/gmtime.3  
man3/gmtime\_r.3 man3/gnu\_dev\_major.3 man3/gnu\_dev\_makedev.3  
man3/gnu\_dev\_minor.3 man3/gnu\_get\_libc\_release.3  
man3/gnu\_get\_libc\_version.3 man3/group\_member.3 man3/gsignal.3  
man3/h\_errno.3 man3/hasmntopt.3 man3/herror.3 man3/hstrerror.3  
man3/htobe16.3 man3/htobe32.3 man3/htobe64.3 man3/htole16.3  
man3/htole32.3 man3/htole64.3 man3/htonl.3 man3/htons.3 man3/hypot.3  
man3/hypotf.3 man3/hypotl.3 man3/if\_freenameindex.3  
man3/if\_indextoname.3 man3/if\_nameindex.3 man3/if\_nametoindex.3  
man3/ilogb.3 man3/ilogbf.3 man3/ilogbl.3 man3/imaxabs.3  
man3/imaxdiv.3 man3/index.3 man3/inet.3 man3/inet\_addr.3  
man3/inet\_aton.3 man3/inet\_lnaof.3 man3/inet\_makeaddr.3  
man3/inet\_net\_ntop.3 man3/inet\_net\_pton.3 man3/inet\_netof.3  
man3/inet\_network.3 man3/inet\_ntoa.3 man3/inet\_ntop.3  
man3/inet\_pton.3 man3/initgroups.3 man3/initstate.3

man3/initstate\_r.3 man3/insque.3 man3/intro.3 man3/isalnum.3  
man3/isalnum\_1.3 man3/isalpha.3 man3/isalpha\_1.3 man3/isascii.3  
man3/isascii\_1.3 man3/isatty.3 man3/isblank.3 man3/isblank\_1.3  
man3/isctrl.3 man3/isctrl\_1.3 man3/isdigit.3 man3/isdigit\_1.3  
man3/isfdtype.3 man3/isgraph.3 man3/isgraph\_1.3 man3/isinff.3  
man3/isinfl.3 man3/islower.3 man3/islower\_1.3 man3/isnanf.3  
man3/isnanl.3 man3/isprint.3 man3/isprint\_1.3 man3/ispunct.3  
man3/ispunct\_1.3 man3/isspace.3 man3/isspace\_1.3 man3/isupper.3  
man3/isupper\_1.3 man3/isxdigit.3 man3/isxdigit\_1.3 man3/j0.3  
man3/j0f.3 man3/j0l.3 man3/j1.3 man3/j1f.3 man3/j1l.3 man3/jn.3  
man3/jnf.3 man3/jnl.3 man3/jrand48.3 man3/jrand48\_r.3 man3/klogctl.3  
man3/labs.3 man3/lcong48.3 man3/lcong48\_r.3 man3/ldexp.3  
man3/ldexpf.3 man3/ldexpl.3 man3/ldiv.3 man3/le16toh.3 man3/le32toh.3  
man3/le64toh.3 man3/lfind.3 man3/llabs.3 man3/lldiv.3 man3/llrint.3  
man3/llrintf.3 man3/llrintl.3 man3/llround.3 man3/llroundf.3  
man3/llroundl.3 man3/localeconv.3 man3/localtime.3 man3/localtime\_r.3  
man3/log.3 man3/log10.3 man3/log10f.3 man3/log10l.3 man3/log1p.3  
man3/log1pf.3 man3/log1pl.3 man3/log2.3 man3/log2f.3 man3/log2l.3  
man3/logb.3 man3/logbf.3 man3/logbl.3 man3/logf.3 man3/logl.3  
man3/lrand48.3 man3/lrand48\_r.3 man3/lrint.3 man3/lrintf.3  
man3/lrintl.3 man3/lround.3 man3/lroundf.3 man3/lroundl.3  
man3/lsearch.3 man3/lseek64.3 man3/lutimes.3 man3/major.3  
man3/makecontext.3 man3/makedev.3 man3/mallinfo.3 man3/malloc.3  
man3/malloc\_get\_state.3 man3/malloc\_info.3 man3/malloc\_set\_state.3  
man3/malloc\_stats.3 man3/malloc\_trim.3 man3/malloc\_usable\_size.3  
man3/mallopt.3 man3/matherr.3 man3/mcheck.3 man3/mcheck\_check\_all.3  
man3/mcheck\_pedantic.3 man3/memalign.3 man3/memccpy.3 man3/memchr.3  
man3/memcmp.3 man3/memcpy.3 man3/memfrob.3 man3/memmem.3  
man3/memmove.3 man3/memrchr.3 man3/memset.3 man3/minor.3  
man3/mkdtmp.3 man3/mkfifo.3 man3/mkfifoat.3 man3/mkostemp.3  
man3/mkostemps.3 man3/mkstemp.3 man3/mkstemps.3 man3/mktemp.3  
man3/mktime.3 man3/mmap64.3 man3/modf.3 man3/modff.3 man3/modfl.3  
man3/mprobe.3 man3/mq\_close.3 man3/mq\_getattr.3 man3/mq\_notify.3  
man3/mq\_open.3 man3/mq\_receive.3 man3/mq\_send.3 man3/mq\_setattr.3  
man3/mq\_timedreceive.3 man3/mq\_timedsend.3 man3/mq\_unlink.3  
man3/mrand48.3 man3/mrand48\_r.3 man3/mtrace.3 man3/muntrace.3  
man3/nearbyint.3 man3/nearbyintf.3 man3/nearbyintl.3 man3/newlocale.3  
man3/nextdown.3 man3/nextdownf.3 man3/nextdownl.3 man3/nextup.3  
man3/nextupf.3 man3/nextupl.3 man3/nrand48.3 man3/nrand48\_r.3  
man3/ntohl.3 man3/ntohs.3 man3/ntp\_gettime.3 man3/ntp\_gettimex.3  
man3/on\_exit.3 man3/opendir.3 man3/openlog.3 man3/optarg.3  
man3/opterr.3 man3/optind.3 man3/optopt.3 man3/pathconf.3  
man3/posix\_fallocate.3 man3/posix\_memalign.3 man3/posix\_openpt.3  
man3/posix\_spawn.3 man3/posix\_spawnp.3 man3/pow.3 man3/pow10.3  
man3/pow10f.3 man3/pow10l.3 man3/powf.3 man3/powl.3 man3/profil.3  
man3/psiginfo.3 man3/psignal.3 man3/pthread\_atfork.3  
man3/pthread\_attr\_destroy.3 man3/pthread\_attr\_getaffinity\_np.3  
man3/pthread\_attr\_getdetachstate.3 man3/pthread\_attr\_getguardsize.3



man3/pthread\_attr\_getinheritsched.3 man3/pthread\_attr\_getschedparam.3  
man3/pthread\_attr\_getschedpolicy.3 man3/pthread\_attr\_getscope.3  
man3/pthread\_attr\_getstack.3 man3/pthread\_attr\_getstackaddr.3  
man3/pthread\_attr\_getstacksize.3 man3/pthread\_attr\_init.3  
man3/pthread\_attr\_setaffinity\_np.3 man3/pthread\_attr\_setdetachstate.3  
man3/pthread\_attr\_setguardsize.3 man3/pthread\_attr\_setinheritsched.3  
man3/pthread\_attr\_setschedparam.3 man3/pthread\_attr\_setschedpolicy.3  
man3/pthread\_attr\_setscope.3 man3/pthread\_attr\_setstack.3  
man3/pthread\_attr\_setstackaddr.3 man3/pthread\_attr\_setstacksize.3  
man3/pthread\_cancel.3 man3/pthread\_cleanup\_pop.3  
man3/pthread\_cleanup\_pop\_restore\_np.3 man3/pthread\_cleanup\_push.3  
man3/pthread\_cleanup\_push\_defer\_np.3 man3/pthread\_create.3  
man3/pthread\_detach.3 man3/pthread\_equal.3 man3/pthread\_exit.3  
man3/pthread\_getaffinity\_np.3 man3/pthread\_getattr\_default\_np.3  
man3/pthread\_getattr\_np.3 man3/pthread\_getconcurrency.3  
man3/pthread\_getcpuclockid.3 man3/pthread\_getname\_np.3  
man3/pthread\_getschedparam.3 man3/pthread\_join.3 man3/pthread\_kill.3  
man3/pthread\_kill\_other\_threads\_np.3 man3/pthread\_mutex\_consistent.3  
man3/pthread\_mutex\_consistent\_np.3 man3/pthread\_mutexattr\_destroy.3  
man3/pthread\_mutexattr\_getpshared.3  
man3/pthread\_mutexattr\_getrobust.3  
man3/pthread\_mutexattr\_getrobust\_np.3 man3/pthread\_mutexattr\_init.3  
man3/pthread\_mutexattr\_setpshared.3  
man3/pthread\_mutexattr\_setrobust.3  
man3/pthread\_mutexattr\_setrobust\_np.3  
man3/pthread\_rwlockattr\_getkind\_np.3  
man3/pthread\_rwlockattr\_setkind\_np.3 man3/pthread\_self.3  
man3/pthread\_setaffinity\_np.3 man3/pthread\_setattr\_default\_np.3  
man3/pthread\_setcancelstate.3 man3/pthread\_setcanceltype.3  
man3/pthread\_setconcurrency.3 man3/pthread\_setname\_np.3  
man3/pthread\_setschedparam.3 man3/pthread\_setschedprio.3  
man3/pthread\_sigmask.3 man3/pthread\_sigqueue.3  
man3/pthread\_spin\_destroy.3 man3/pthread\_spin\_init.3  
man3/pthread\_spin\_lock.3 man3/pthread\_spin\_trylock.3  
man3/pthread\_spin\_unlock.3 man3/pthread\_testcancel.3  
man3/pthread\_timedjoin\_np.3 man3/pthread\_tryjoin\_np.3  
man3/pthread\_yield.3 man3/putc.3 man3/putc\_unlocked.3 man3/putchar.3  
man3/putchar\_unlocked.3 man3/putenv.3 man3/putpwent.3 man3/puts.3  
man3/putw.3 man3/putwc\_unlocked.3 man3/putwchar\_unlocked.3  
man3/pvalloc.3 man3/qecvt.3 man3/qecvt\_r.3 man3/qfcvt.3  
man3/qfcvt\_r.3 man3/qgcvt.3 man3/qsort.3 man3/qsort\_r.3 man3/raise.3  
man3/rand.3 man3/rand\_r.3 man3/random.3 man3/random\_r.3  
man3/rawmemchr.3 man3/re\_comp.3 man3/re\_exec.3 man3/readdir.3  
man3/readdir\_r.3 man3/realloc.3 man3/realpath.3 man3/regcomp.3  
man3/regerror.3 man3/regex.3 man3/regexec.3 man3/regfree.3  
man3/remainder.3 man3/remainderf.3 man3/remainderl.3 man3/remove.3  
man3/remque.3 man3/res\_init.3 man3/res\_mkquery.3 man3/res\_ninit.3  
man3/res\_nmkquery.3 man3/res\_nquery.3 man3/res\_nquerydomain.3

man3/res\_nsearch.3 man3/res\_nsend.3 man3/res\_query.3  
man3/res\_querydomain.3 man3/res\_search.3 man3/res\_send.3  
man3/resolver.3 man3/rewinddir.3 man3/rindex.3 man3/rint.3  
man3/rintf.3 man3/rintl.3 man3/round.3 man3/roundf.3 man3/roundl.3  
man3/rtnetlink.3 man3/scalb.3 man3/scalbf.3 man3/scalbl.3  
man3/scalbln.3 man3/scalblnf.3 man3/scalblnl.3 man3/scalbn.3  
man3/scalbnf.3 man3/scalbnl.3 man3/sched\_getcpu.3  
man3/secure\_getenv.3 man3/seed48.3 man3/seed48\_r.3 man3/seekdir.3  
man3/sem\_close.3 man3/sem\_destroy.3 man3/sem\_getvalue.3  
man3/sem\_init.3 man3/sem\_open.3 man3/sem\_post.3 man3/sem\_timedwait.3  
man3/sem\_trywait.3 man3/sem\_unlink.3 man3/sem\_wait.3  
man3/setcontext.3 man3/setenv.3 man3/setfsent.3 man3/setgrent.3  
man3/sethostent.3 man3/sethostid.3 man3/setlocale.3 man3/setlogmask.3  
man3/setmntent.3 man3/setnetent.3 man3/setprotoent.3 man3/setpwent.3  
man3/setservent.3 man3/setstate.3 man3/setstate\_r.3  
man3/setusershell.3 man3/shm\_open.3 man3/shm\_unlink.3  
man3/sigaddset.3 man3/sigandset.3 man3/sigblock.3 man3/sigdelset.3  
man3/sigemptyset.3 man3/sigfillset.3 man3/siggetmask.3 man3/sighold.3  
man3/sigignore.3 man3/siginterrupt.3 man3/sigisemptyset.3  
man3/sigismember.3 man3/sigmask.3 man3/sigorset.3 man3/sigpause.3  
man3/sigqueue.3 man3/sigrelse.3 man3/sigset.3 man3/sigsetmask.3  
man3/sigsetops.3 man3/sigstack.3 man3/sigvec.3 man3/sigwait.3  
man3/sin.3 man3/sinf.3 man3/sinh.3 man3/sinhf.3 man3/sinhl.3  
man3/sinl.3 man3/sleep.3 man3/sockatmark.3 man3/sqrt.3 man3/sqrtf.3  
man3/sqrtl.3 man3/srand.3 man3/srand48.3 man3/srand48\_r.3  
man3/srandom.3 man3/srandom\_r.3 man3/ssignal.3 man3/statvfs.3  
man3/stdio\_ext.3 man3/stpcpy.3 man3/strcasecmp.3 man3/strcasestr.3  
man3/strcat.3 man3/strchr.3 man3/strechrnul.3 man3/strcmp.3  
man3/strcoll.3 man3/strcpy.3 man3/strcspn.3 man3/strdup.3  
man3/strdupa.3 man3/strerror.3 man3/strerror\_l.3 man3/strerror\_r.3  
man3/strfromd.3 man3/strfromf.3 man3/strfroml.3 man3/strfry.3  
man3/strftime.3 man3/string.3 man3/strlen.3 man3/strncasecmp.3  
man3/strncat.3 man3/strncmp.3 man3/strncpy.3 man3/strndup.3  
man3/strndupa.3 man3/strpbrk.3 man3/strptime.3 man3/strchr.3  
man3/strsep.3 man3/strsignal.3 man3/strspn.3 man3/strstr.3  
man3/strtok.3 man3/strtok\_r.3 man3/strtol.3 man3/strtoll.3  
man3/strtouq.3 man3/strtoul.3 man3/strtoull.3 man3/strtouq.3  
man3/strverscmp.3 man3/strxfrm.3 man3/swab.3 man3/swapcontext.3  
man3/sysconf.3 man3/syslog.3 man3/system.3 man3/sysv\_signal.3  
man3/tan.3 man3/tanf.3 man3/tanh.3 man3/tanhf.3 man3/tanhl.3  
man3/tanl.3 man3/tcgetpgrp.3 man3/tcgetsid.3 man3/tcsetpgrp.3  
man3/tdelete.3 man3/tdestroy.3 man3/telldir.3 man3/tempnam.3  
man3/tfind.3 man3/timegm.3 man3/timelocal.3 man3/timeradd.3  
man3/timerclear.3 man3/timercmp.3 man3/timerisset.3 man3/timersub.3  
man3/timezone.3 man3/tmpfile.3 man3/tmpnam.3 man3/tmpnam\_r.3  
man3/toascii.3 man3/tolower.3 man3/tolower\_l.3 man3/toupper.3  
man3/toupper\_l.3 man3/trunc.3 man3/truncf.3 man3/truncl.3  
man3/tsearch.3 man3/ttyslot.3 man3/twalk.3 man3/tzname.3 man3/tzset.3

man3/ulimit.3 man3/undocumented.3 man3/ungetc.3 man3/unlocked\_stdio.3  
man3/unsetenv.3 man3/uselocale.3 man3/usleep.3 man3/valloc.3  
man3/vasprintf.3 man3/vlimit.3 man3/vsyslog.3 man3/vtimes.3 man3/y0.3  
man3/y0f.3 man3/y0l.3 man3/y1.3 man3/y1f.3 man3/y1l.3 man3/yn.3  
man3/ynf.3 man3/ynl.3 man4/cpuid.4 man4/full.4 man4/fuse.4  
man4/initrd.4 man4/mouse.4 man4/msr.4 man4/sd.4 man4/st.4 man5/acct.5  
man5/core.5 man5/ipc.5 man5/numa\_maps.5 man5/services.5  
man5/slabinfo.5 man5/sysfs.5 man5/tmpfs.5 man7/aio.7 man7/arp.7  
man7/capabilities.7 man7/cgroup\_namespaces.7 man7/cgroups.7  
man7/credentials.7 man7/ddp.7 man7/fanotify.7  
man7/feature\_test\_macros.7 man7/fifo.7 man7/glibc.7 man7/hier.7  
man7/icmp.7 man7/inode.7 man7/inotify.7 man7/ip.7 man7/ipv6.7  
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man7/math\_error.7 man7/mount\_namespaces.7 man7/mq\_overview.7  
man7/namespaces.7 man7/netdevice.7 man7/network\_namespaces.7  
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man7/pty.7 man7/random.7 man7/raw.7 man7/rtdl-audit.7  
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man7/sigevent.7 man7/signal-safety.7 man7/signal.7 man7/socket.7  
man7/suffixes.7 man7/svipc.7 man7/tcp.7 man7/termio.7 man7/time.7  
man7/udp.7 man7/udplite.7 man7/units.7 man7/unix.7 man7/uri.7  
man7/url.7 man7/urn.7 man7/user\_namespaces.7 man7/vsock.7 man7/x25.7  
man8/sln.8

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```

```
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```

```
#
```

```
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```

```
#
```

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```

```
import re
```

```
import sys
```

```
import textwrap
```

```
from pathlib import Path
```

```
# The standard short names in Debian are defined here:
```

```
# https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
```

```
license_information = [
```

```
{
```

```

'shortname': 'BSD-3-clause',
'filename': 'BSD-3-clause-UCB',
'upstream_names': ['BSD_3_CLAUSE_UCB'],
},
{
'shortname': 'BSD-4-clause',
'filename': 'BSD-4-clause-UCB',
'upstream_names': ['BSD_4_CLAUSE_UCB', 'BSD_ONELINE_CDROM'],
},
{
'shortname': 'Expat',
'filename': 'Expat',
'upstream_names': ['PERMISSIVE_MISC', 'MIT'],
},
{
# This shortname is not defined by the standard.
'shortname': 'freely-redistributable',
'filename': 'freely-redistributable',
'upstream_names': ['FREELY_REDISTRIBUTABLE'],
},
{
'shortname': 'GPL-2',
'filename': 'GPL-2',
'upstream_names': ['GPLv2_MISC', 'GPLv2_ONELINE'],
},
{
'shortname': 'GPL-2+',
'filename': 'GPL-2+',
'upstream_names': ['GPL_NOVERSION_ONELINE', 'GPLv2+',
                    'GPLv2+_DOC_FULL', 'GPLv2+_DOC_MISC',
                    'GPLv2+_DOC_ONEPARA', 'GPLv2+_SW_3_PARA',
                    'GPLv2+_SW_ONEPARA'],
},
{
# This shortname is not defined by the standard.
'shortname': 'henry-spencer-regex',
'filename': 'henry-spencer-regex',
'upstream_names': ['MISC'],
},
{
# This shortname is not defined by the standard.
'shortname': 'LDPv1',
'filename': 'LDPv1',
'upstream_names': ['LDPv1'],
},
{
'shortname': 'public-domain',
'filename': 'public-domain',

```

```

    'upstream_names': ['PUBLIC_DOMAIN'],
},
{
    # This shortname is not defined by the standard.
    'shortname': 'verbatim',
    'filename': 'verbatim',
    'upstream_names': ['VERBATIM', 'VERBATIM_ONE_PARA',
                       'VERBATIM_TWO_PARA', 'VERBATIM_PROF'],
},
]

licenses_with_manpages = {}
symlinks = {}

def get_license_shortname(name):
    """Gets the Debian shortname for the name supplied by upstream.

    Includes a check that upstream's names are only assigned
    to one shortname.
    """
    shortname = ""
    already_found = False
    for info in license_information:
        if name in info['upstream_names']:
            if not already_found:
                shortname = info['shortname']
                already_found = True
            else:
                sys.exit("Fatal error: Upstream license name defined multiple times: " + name)
    return shortname

def add_manpage_to_shortname(manpage, copyright_holders, licenses):
    # Ensure a string for the filename
    filename = str(manpage)
    # Strip the leading "../"
    filename = filename[3:len(filename)]
    # Common case: only one license for the manpage, so
    # the shortname is just e.g. "GPL-2+"
    shortname = " and ".join(sorted(licenses))
    if shortname not in licenses_with_manpages:
        licenses_with_manpages[shortname] = {'files': [filename], 'copyright': copyright_holders}
    else:
        licenses_with_manpages[shortname]['files'].append(filename)
    # Do not add same lines twice
    existing_copyright_holders = licenses_with_manpages[shortname]['copyright']
    joined_copyright_holders = list(set(existing_copyright_holders + copyright_holders))
    licenses_with_manpages[shortname]['copyright'] = joined_copyright_holders

```

```

def get_copyright_stanza(shortname, file_info):
    stanza = ""
    # Collect files and symlinks into a common list
    all_files = file_info['files']
    for file in file_info['files']:
        if file in symlinks:
            all_files = all_files + symlinks[file]
    # Join the files into a whitespace separated list,
    # at most 76 characters long
    files = " ".join(sorted(all_files))
    # The wrap is 69 + 7 (length of "Files: ") = 76
    files = textwrap.wrap(files, width=69, break_long_words=False, break_on_hyphens=False)
    files = "\n    ".join(files)
    # Now format the copyright holders
    copyright = "\n        ".join(sorted(file_info['copyright']))
    # An empty field is an error, so ensure a value
    if len(copyright) == 0:
        copyright = "(could not be detected automatically)"
    # Finally, create the stanza
    stanza += "Files: " + files
    stanza += "\nCopyright: " + copyright
    stanza += "\nLicense: " + shortname + "\n\n"
    return stanza

```

```

def get_license_text(shortname):
    """Gets the text for the Debian license shortname."""
    text = ""
    for info in license_information:
        if info['shortname'] == shortname:
            text += "License: " + shortname + "\n"
            with open("licenses/" + info['filename']) as licensefile:
                for line in licensefile:
                    text += " " + line
    return text

```

```

p = Path(".")
for manpage in p.glob("man?/*"):
    with manpage.open() as file:
        licenses = []
        copyright_holders = []
        manpage_is_symlink = False
        for line in file:
            # Do not create copyright stanzas for symlink files
            # but add them to a symlink list
            symlink = re.search(r"^\.so (.*)", line)
            if symlink:
                manpage_is_symlink = True
            # Ensure a string for the filename

```



```

linkname = str(manpage)
# Strip the leading "./"
linkname = linkname[3:len(linkname)]
filename = symlink.group(1)
if filename in symlinks:
    symlinks[filename].append(linkname)
else:
    symlinks[filename] = [linkname]
break
# Only parse the header, so stop after seeing ".TH"
if re.search(r"^\.TH", line):
    break
# Extract all copyright holders
copyright = re.search(r"^\.\|\|".*?Copyright (.*)", line)
if copyright:
    copyright_holders.append(copyright.group(1))
# Match the beginning of the license
license_start = re.search(r"^\.\|\|" %% LICENSE_START\((.*)\)", line)
if license_start:
    license_name = license_start.group(1)
    license_short_name = get_license_shortcode(license_name)
    if not license_short_name:
        sys.exit("Fatal error: Upstream license name not known: " + license_name)
    licenses.append(license_short_name)
if not manpage_is_symlink:
    add_manpage_to_shortcode(manpage, copyright_holders, licenses)

# Flatten the symlinks by detecting and removing
# a symlink which points to another symlink.
for link_to_test in symlinks:
    # Now cycle through all symlink entries
    for link in symlinks:
        if link_to_test in symlinks[link]:
            symlinks[link] = symlinks[link] + symlinks[link_to_test]

# Make sorting of licenses deterministic
stanzas = ""
license_texts = []
for shortcode in sorted(licenses_with_manpages):
    stanzas += get_copyright_stanza(shortcode, licenses_with_manpages[shortcode])
    text = get_license_text(shortcode)
    if text:
        license_texts.append(text)

# Read in the first lines of copyright, without
# the automatically generated parts. Stop after
# the third occurrence of "License".
manual_lines = ""

```

```

license_line_count = 0
with open("copyright") as copyright_file:
for line in copyright_file:
    manual_lines += line
    if re.search(r"^\License:", line):
        license_line_count += 1
    if license_line_count == 3:
        # Add a final newline for separation
        manual_lines += "\n"
        break

```

```

# Open the file for output
with open("copyright", "w") as copyright_file:
copyright_file.write(manual_lines)
copyright_file.write(stanzas)
copyright_file.write("\n".join(license_texts))

```

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## 1.362 gettext 2.27 3ubuntu1

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Version 3, 29 June 2007

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@ifinfo

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@page

@heading 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.

```
@smallexample
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{yyyy} @var{name of author}
```

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@end smallexample

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:

```
@smallexample
Gnomovision version 69, Copyright (C) @var{year} @var{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.
@end smallexample
```

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than @samp{show w} and @samp{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

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@example

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

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

Ty Coon, President of Vice

@end example

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

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

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

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## 1.363 log4j-over-slf4j 1.7.14

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## 1.364 libarchive-extract-perl 0.70-1

# 1.365 bytelist 1.0.15

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```

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```

```
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```

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```
ftp://ftp.gnu.org/pub/gnu/gdbm/gdbm-1.8.3.tar.gz
```

```
It was previously maintained by Ray Dassen <jdassen@wi.LeidenUniv.nl>,
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# 1.369 udev 237 3ubuntu10.31

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## 1.370 maxmind-db 1.2.2

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-----  
; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s  
;  
; Test that early if conversion produces LOCR with operands of the right  
; register classes.

```
define void @autogen_SD4739(i8*) {  
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register  
BB:  
%L34 = load i8, i8* %0  
%Cmp56 = icmp sgt i8 undef, %L34  
br label %CF246
```

```
CF246:                                ; preds = %CF246, %BB
%SI163 = select i1 %Cmp56, i8 %L34, i8 undef
br i1 undef, label %CF246, label %CF248
```

```
CF248:                                ; preds = %CF248, %CF246
store i8 %SI163, i8* %0
br label %CF248
}
```

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=====

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=====

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From: james.newtonking@gmail.com [mailto:james.newtonking@gmail.com] On Behalf Of James Newton-King  
Sent: Tuesday, June 05, 2007 6:36 AM  
To: Konstantin Triger  
Subject: Re: Support request by Konstantin Triger for Json.NET

Hey Kosta

I think it would be awesome to use Json.NET in Mono for System.Web.Extensions.

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I can waive that statement for you and Mono. Would that be acceptable?

Regards,  
James

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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
`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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```
; RUN: llc -mtriple=aarch64-apple-ios %s -o - | FileCheck %s
```

```
define <16 x double> @test_sitofp_fixed(<16 x i32> %in) {
; CHECK-LABEL: test_sitofp_fixed:
```

```
; First, extend each i32 to i64
```

```
; CHECK-DAG: sshll2.2d [[BLOCK0_HI:v[0-9]+]], v0, #0
; CHECK-DAG: sshll2.2d [[BLOCK1_HI:v[0-9]+]], v1, #0
; CHECK-DAG: sshll2.2d [[BLOCK2_HI:v[0-9]+]], v2, #0
; CHECK-DAG: sshll2.2d [[BLOCK3_HI:v[0-9]+]], v3, #0
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0
```

```
; Next, convert each to double.
```

```
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]
```

```
; CHECK: ret
```

```
%flt = sitofp <16 x i32> %in to <16 x double>
```

```
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0,
double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
```

```
ret <16 x double> %res
```

```
}
```

```
; This one is small enough to satisfy isSimple, but still illegally large.
```

```
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
```

```
; CHECK-LABEL: test_sitofp_fixed_shortish:
```

```
; CHECK-DAG: scvtf.2d v0, v0
```

```
; CHECK-DAG: scvtf.2d v1, v1
```

```
; CHECK: ret
```

```
%flt = sitofp <4 x i64> %in to <4 x double>
```

```
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}
```

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```
; RUN: llc <%s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
;
; D31946
; Check that we dont end up with the ""LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.
```

```
declare fp128 @llvm.fabs.f128(fp128)
```

```
declare fp128 @llvm.copysign.f128(fp128, fp128)
```

```
define fp128 @TestSelect(fp128 %a, fp128 %b) {
```

```
  %cmp = fcmp ogt fp128 %a, %b
```

```
  %sub = fsub fp128 %a, %b
```

```
  %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
```

```
  ret fp128 %res
```

```
; CHECK-LABEL: TestSelect:
```



```

; CHECK    movaps 16(%rsp), %xmm1
; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
; CHECK-NEXT # %bb.1:
; CHECK-NEXT movaps .LCPI0_0(%rip), %xmm0
; CHECK-NEXT .LBB0_2:
; CHECK-NEXT addq $32, %rsp
; CHECK-NEXT popq %rbx
; CHECK-NEXT retq
}

```

```

define fp128 @TestFabs(fp128 %a) {
%res = call fp128 @llvm.fabs.f128(fp128 %a)
ret fp128 %res
; CHECK-LABEL: TestFabs:
; CHECK    andps .LCPI1_0(%rip), %xmm0
; CHECK-NEXT retq
}

```

```

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
%res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
ret fp128 %res
; CHECK-LABEL: TestCopysign:
; CHECK    andps .LCPI2_1(%rip), %xmm0
; CHECK-NEXT orps %xmm1, %xmm0
; CHECK-NEXT retq
}

```

```

define fp128 @TestFneg(fp128 %a) {
%mul = fmul fp128 %a, %a
%res = fsub fp128 0xL00000000000000008000000000000000, %mul
ret fp128 %res
; CHECK-LABEL: TestFneg:
; CHECK    movaps %xmm0, %xmm1
; CHECK-NEXT callq __multf3
; CHECK-NEXT xorps .LCPI3_0(%rip), %xmm0
; CHECK-NEXT popq %rax
; CHECK-NEXT retq
}

```

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

#### HISTORY -

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

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

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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.) NuGet.BuildTasks

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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decode\_fuzzer.c:

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```
; RUN: llc -march=hexagon < %s
```

```
; REQUIRES: asserts
```

```
; The two loads based on %struct.0, loading two different data types  
; cause LSR to assume type "void" for the memory type. This would then  
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.
```

```
target triple = "hexagon"
```

```
%struct.0 = type { i8*, i8, %union.anon.0 }
```

```
%union.anon.0 = type { i8* }
```

```

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
br i1 undef, label %while.end, label %while.body.lr.ph

while.body.lr.ph:
; preds = %entry
br label %while.body

while.body:
; preds = %exit.2, %while.body.lr.ph
%lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
switch i32 undef, label %exit [
i32 1, label %sw.bb.i
i32 2, label %sw.bb3.i
]

sw.bb.i:
; preds = %while.body
unreachable

sw.bb3.i:
; preds = %while.body
unreachable

exit:
; preds = %while.body
switch i32 undef, label %exit.2 [
i32 1, label %sw.bb.i17
i32 2, label %sw.bb3.i20
]

sw.bb.i17:
; preds = %.exit
%0 = bitcast %struct.0* %lsr.iv to i32*
%1 = load i32, i32* %0, align 4
unreachable

sw.bb3.i20:
; preds = %exit
%2 = bitcast %struct.0* %lsr.iv to i8**
%3 = load i8*, i8** %2, align 4
unreachable

exit.2:
; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
br label %while.body

while.end:
; preds = %entry
ret void
}

attributes #0 = { nounwind optsize "target-cpu"="hexagonv55" }
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```

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## 1.375 azure-eventhubs 1.0.1

## 1.376 vixie-cron 3.0pl1 128.1ubuntu1

## 1.377 mawk 1.3.3 17ubuntu3

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## 1.379.1 Available under license :

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# 1.380 ubuntu-keyring 2018.02.28

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This package was originally put together by Michael Vogt <[michael.vogt@canonical.com](mailto:michael.vogt@canonical.com)>

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## 1.382 libdrm 2.4.91-2

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Jean-loup Gailly      Mark Adler

jloup@gzip.org      madler@alumni.caltech.edu

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt  
Adler, Mark  
Allbery, Russ  
Anderson, Jamie  
Andrew, Nick  
Andric, Dimitry  
Barron, Danny  
Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
Boardman, Spider  
Bostley, P.J.  
Bowes, Keith  
Boyce, Keith Garry  
Brantley, Michael  
Braun, Rob  
Bezina, Pavel  
Brooks, Piete  
Brown, Jerry  
Burr, Michael E  
Burton, Ross  
Bussjaeger, Andreas  
Calvin, Gary  
Campbell, Aaron  
Chazelas, Stephane  
ek, Vtzslav  
Coleman, Chris  
Corzine, Deven T.  
Cusack, Frank  
Dai, Wei  
Dill, David  
Earickson, Jeff  
Eckhardt, Drew  
Edgington, Ben  
Esipovich, Marc  
Espie, Marc  
Faigon, Ariel  
Farrell, Brian  
Fobes, Steve  
Frysinger, Mike

G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
Gerraty, Simon J.  
Graber, Stephane  
Guillory, B.  
Hayman, Randy M.  
Henke, Joachim  
Hideaki, YOSHIFUJI  
Hieb, Dave  
Holloway, Nick  
Hoover, Adam  
Hunter, Michael T.  
Hutchings, Ben  
Irrgang, Eric  
Jackson, Brian  
Jackson, John R.  
Jackson, Richard L., Jr.  
Janssen, Mark  
Jepeway, Chris  
Jorge, Joel Pele  
Pele Jorge, Joel  
Juhani, Timo  
KIKUCHI, Ayamura  
Kadow, Kevin  
Kasal, Stepan  
Kienenberger, Mike  
King, Dale  
King, Michael  
Klyachkin, Andrey  
Knoble, Jim  
Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeek, Daniel  
Kranenburg, Paul  
Krause, David  
Lakin, Eric  
Larsen, Case  
Levin, Dmitry V.  
Libby, Kendall  
Lobbes, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
McLaughlin, Tom  
Makey, Jeff  
Marchionna, Michael D.  
Markham, Paul

Martinian, Emin  
Meskes, Michael  
Michael, David  
Miller, Todd C.  
Minier, Loc  
Moffat, Darren  
Moldung, Jan Thomas  
Morris, Charles  
Mueller, Andreas  
Mller, Dworkin  
Nieusma, Jeff  
Nikitser, Peter A.  
Nussel, Ludwig  
Ouellet, Jean-Philippe  
Paquet, Eric  
Paradis, Chantal  
Percival, Ted  
Perera, Andres  
Peron, Christian S.J.  
Peschel, Aaron  
Peslyak, Alexander  
Peterson, Toby  
Petten, Diego Elio  
Pickett, Joel  
Plotnick, Alex  
de Raadt, Theo  
Rasch, Gudleik  
Reid, Steve  
Richards, Matt  
Rossum, Guido van  
Rouillard, John P.  
Rowe, William A., Jr.  
Roy, Alain  
Ruusame, Elan  
Ryabinkin, Eygene  
SATO, Yuichi  
Snchez, Wilfredo  
Saucier, Jean-Francois  
Schoenfeld, Patrick  
Schuring, Arno  
Schwarze, Ingo  
Scott, Dougal  
Sieger, Nick  
Simon, Thor Lancelot  
Slemko, Marc  
Smith, Andy  
Sobrado, Igor  
Soulen, Steven

Spangler, Aaron  
Spradling, Cloyce D.  
Stier, Matthew  
Stoeckmann, Tobias  
Street, Russell  
Stritzky, Tilo  
Stroucken, Michael  
Tarrall, Robert  
Thomas, Matthew  
Todd, Giles  
Toft, Martin  
Torek, Chris  
Tucker, Darren  
Uhl, Robert  
Uzel, Petr  
Valery, Reznic  
Van Dinter, Theo  
Venckus, Martynas  
de Vries, Maarten  
Wagner, Klaus  
Walsh, Dan  
Warburton, John  
Webb, Kirk  
Wetzel, Timm  
Wieringen, Marco van  
Wilk, Jakub  
Winiger, Gary  
Wood, David  
Zacarias, Gustavo  
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blttermann, Mario  
Bogusz, Jakub  
Casagrande, Milo  
Castro, Felipe  
Cho, Seong-ho  
Chornoivan, Yuri  
Diguez, Francisco  
Ferreira, Rafael  
Garca-Fontes, Walter  
Gezer, Volkan  
Hamasaki, Takeshi  
Hamming, Peter  
Hansen, Joe  
Hantrais, Frdric

Hein, Jochen  
Hufthammer, Karl Ove  
Jerovek, Damir  
Karvonen, Jorma  
Kazik, Duan  
Kelemen, Gbor  
Koir, Klemen  
Kozlov, Yuri  
Kramer, Jakob  
Krznar, Tomislav  
Marchal, Frdric  
Margeviius, Algimantas  
Maryanov, Pavel  
Nikoli, Miroslav  
Nylander, Daniel  
Psa, Petr  
Qun, Trn Ngc  
Regueiro, Leandro  
Sarer, zgr  
Sendn, Abel  
Sikrom, ka  
Spingos, Dimitris  
Taniguchi, Yasuaki  
Tomat, Fbio  
Uranga, Mikel Olasagasti  
Vorotnikov, Artem  
Wang, Wylmer

# 1.384 libbonoboui 2.24.5-3ubuntu1

## 1.384.1 Available under license :

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That's all there is to it!

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## 1.389 newt 0.19.7 2

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# 1.390 python-mysqldb 1.3.10-1build1

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
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## 1.394 nunit 2.6.4+dfsg-1

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## 1.397 guava 22.0

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## 1.399 pppconfig 2.3.23

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## 1.405 Im-sensors 3.4.0 4

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## 1.407 libgdiplus 5.6-

# Oxamarin5+ubuntu1804b1

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Version 3, 29 June 2007

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 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w)) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

```

```
/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
```

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```

[Tatu continues]

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\* @version 3.0 (December 2000)

\*

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

\*

\* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

\* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

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\*/

```
#ifndef HAVE_SETRESGID
```

```
int setresgid(gid_t, gid_t, gid_t);
```

```
#endif
```

```
#ifndef HAVE_SETRESUID
```

```
int setresuid(uid_t, uid_t, uid_t);
```

```
#endif
```

```
/* $OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $ */
```

```
/*
```

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```

```
*/
```

```
/* OPENBSD ORIGINAL: sys/sys/poll.h */
```

```
#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
```

```
#ifndef _COMPAT_POLL_H_
```

```
#define _COMPAT_POLL_H_
```

```
typedef struct pollfd {
```

```
int fd;
```

```
short events;
```

```
short revents;
```

```
} pollfd_t;
```

```

typedef unsigned int nfd_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfd_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

```

## 1.410 libxmu 1.1.2-2

### 1.410.1 Available under license :

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AC_DEFUN([gl_CANONICALIZE_LGPL],
[
dnl Do this replacement check manually because the file name is shorter
dnl than the function name.
AC_CHECK_DECLS_ONCE(canonicalize_file_name)
AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
if test $ac_cv_func_canonicalize_file_name = no; then
  AC_LIBOBJ(canonicalize-lgpl)
  AC_DEFINE([realpath], [rpl_realpath],
    [Define to a replacement function name for realpath().])
  gl_PREREQ_CANONICALIZE_LGPL
fi
])

# Like gl_CANONICALIZE_LGPL, except prepare for separate compilation
# (no AC_LIBOBJ).
AC_DEFUN([gl_CANONICALIZE_LGPL_SEPARATE],
[
AC_CHECK_DECLS_ONCE(canonicalize_file_name)
AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
gl_PREREQ_CANONICALIZE_LGPL
])

# Prerequisites of lib/canonicalize-lgpl.c.
AC_DEFUN([gl_PREREQ_CANONICALIZE_LGPL],
[
AC_CHECK_HEADERS_ONCE(sys/param.h unistd.h)
AC_CHECK_FUNCS_ONCE(getcwd readlink)
])
```

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## 1.413 libnuma 2.0.11 2.1

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END OF TERMS AND CONDITIONS

## APPENDIX: HOW TO APPLY THE APACHE LICENSE TO YOUR WORK

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

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you may not use this file except in compliance with the License.  
You may obtain a copy of the License at

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

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# 1.415 bzip2 1.0.6 8.1 ubuntu0.2

## 1.415.1 Available under license :

-----  
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Julian Seward, jseward@acm.org  
bzip2/libbzip2 version 1.0.8 of 13 July 2019

---

## 1.416 libbonobo 2.32.1-3

### 1.416.1 Available under license :

```
<!--
  The GNU Public License 2 in DocBook
  Markup by Eric Baudais <baudais@okstate.edu>
  Maintained by the GNOME Documentation Project
  http://developer.gnome.org/projects/gdp
  Version: 1.0.1
  Last Modified: Feb. 5, 2001
-->

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    </copyright>
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  <state>MA</state> <postcode>02111-1307</postcode>
  <country>USA</country>
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</para>

<para>

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</para>

</legalnotice>

<releaseinfo>

Version 2.1, February 1999

</releaseinfo>

</arthead>

<sect1 id="preamble">

<title>Preamble</title>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use



this license for certain libraries in order to permit linking those libraries into non-free programs.

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

</sect1>

<sect1 id="terms">

<title>TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION</title>

<sect2 id="sect0">

<title>Section 0</title>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

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

</para>

</sect2>

<sect2 id="sect1">

<title>Section 1</title>

<para>

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

</para>

<para>

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

</para>

</sect2>

<sect2 id="sect2">

<title>Section 2</title>

<para>

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

<orderedlist numeration="loweralpha">

<listitem>

<para>

The modified work must itself be a software library.

</para>

</listitem>

<listitem>

<para>

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

</para>

</listitem>

<listitem>

<para>

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

</para>

</listitem>

<listitem>

<para>

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

</para>

<para>

(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.)

</para>

<para>

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

</para>

<para>

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

collective works based on the Library.

</para>

<para>

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

</para>

</listitem>

</orderedlist>

</para>

</sect2>

<sect2 id="sect3">

<title>Section 3</title>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

</sect2>

<sect2 id="sect4">

<title>Section 4</title>

<para>

You may copy and distribute the Library (or a portion or derivative of it, under <link linkend="sect2">Section 2</link> ) in object code or executable form under the terms of Sections

<link linkend="sect1">1</link> and  
<link linkend="sect2">2</link> above provided that you accompany  
it with the complete corresponding machine-readable source code, which  
must be distributed under the terms of Sections <link linkend="sect1">1</link>  
and <link linkend="sect2">2</link> above on a  
medium customarily used for software interchange.

</para>

<para>  
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.

</para>

</sect2>

<sect2 id="sect5">  
<title>Section 5</title>

<para>  
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 <quote>work that uses the Library</quote>.  
Such a work, in isolation, is not a derivative work of the Library, and  
therefore falls outside the scope of this License.

</para>

<para>  
However, linking a <quote>work that uses the Library</quote> with the Library  
creates an executable that is a derivative of the Library (because it  
contains portions of the Library), rather than a <quote>work that uses the  
library</quote>. The executable is therefore covered by this License.  
<link linkend="sect6">Section 6</link> states terms for distribution  
of such executables.

</para>

<para>  
When a <quote>work that uses the Library</quote> 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.

</para>

<para>

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](#).)

</para>

<para>

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.

</para>

</sect2>

<sect2 id="sect6">

<title>Section 6</title>

<para>

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

</para>

<para>

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

<orderedlist numeration="loweralpha">

<listitem>

<para id="sect6a">

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

<quote>work that uses the Library</quote>, 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.)

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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

</para>

</listitem>

</orderedlist>

</para>

<para>

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception,



the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

</para>

<para>

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.

</para>

</sect2>

<sect2 id="sect7">

<title>Section 7</title>

<para>

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

</para>

<orderedlist numeration="loweralpha">

<listitem>

<para>

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

</para>

</listitem>

<listitem>

<para>

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

</para>

</listitem>

</orderedlist>

</sect2>

<sect2 id="sect8">

<title>Section 8</title>

<para>

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

</para>

</sect2>

<sect2 id="sect9">

<title>Section 9</title>

<para>

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

</para>

</sect2>

<sect2 id="sect10">

<title>Section 10</title>

<para>

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

</para>

</sect2>

<sect2 id="sect11">

<title>Section 11</title>

<para>

If, as a consequence of a court judgment or allegation of patent

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

</para>

<para>

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

</para>

<para>

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

</para>

<para>

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

</para>

</sect2>

<sect2 id="sect12">

<title>Section 12</title>

<para>

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

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(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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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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# 1.417 libgnome-keyring 3.12.0-1build1

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

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

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

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(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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libblkid/src/superblocks/\*

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## 1.430 npgsq 4.0.4

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Content-Language: en

Content-type: text/html; charset=ISO-8859-1

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<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />

<!--

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X

This file is generated from xml source: DO NOT EDIT

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X

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<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/style/css/prettify.css" />
<script src="/style/scripts/prettify.min.js" type="text/javascript">
</script>

<link href="/images/favicon.ico" rel="shortcut icon" /></head>
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href="/sitemap.html">Sitemap</a></p>
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</div>
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<div id="path">
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href="http://httpd.apache.org/docs/">Documentation</a> &gt; <a href="/">Version 2.4</a></div><div id="page-
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<div class="toplant">
<p><span>Available Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;&nbsp;&lt;/a></p>
</div>

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pointed towards suggestions on improving the documentation or server, and may be removed again by our
moderators if they are either implemented or considered invalid/off-topic. Questions on how to manage the Apache
HTTP Server should be directed at either our IRC channel, #httpd, on Freenode, or sent to our <a
href="http://httpd.apache.org/lists.html">mailing lists</a></div>
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comments_identifier;
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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:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

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The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were  
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The class org.apache.lucene.util.WeakIdentityMap was derived from  
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The snowball stemmers in  
`analysis/common/src/java/net/sf/snowball`  
were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in  
`analysis/common/src/resources/org/apache/lucene/analysis/snowball`  
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The full snowball package is available from  
<http://snowball.tartarus.org/>

The KStem stemmer in  
`analysis/common/src/org/apache/lucene/analysis/en`  
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)  
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The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (common) come with a default  
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

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

See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers  
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and  
Ljiljana Dolamic. These files reside in:

`analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java`  
`analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java`

The Stempel analyzer (stempel) includes BSD-licensed software developed  
by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil,  
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default  
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in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt.  
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The SmartChineseAnalyzer source code (smartcn) was  
provided by Xiaoping Gao and copyright 2009 by [www.imdict.net](http://www.imdict.net).

WordBreakTestUnicode\_\*.java (under modules/analysis/common/src/test/)  
is derived from Unicode data such as the Unicode Character Database.  
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The Morfologik analyzer (morfologik) includes BSD-licensed software  
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Servlet-api.jar and javax.servlet-\*.jar are under the CDDL license, the original  
source code for this can be found at <http://www.eclipse.org/jetty/downloads.php>

=====  
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration  
=====

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

<http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz>

or

<http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz>

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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.

@end enumerate

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@c man end

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Version 2.1, February 1999

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DRuntime: Runtime Library for the D Programming Language

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```
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```

```
"http://www.w3.org/TR/html4/loose.dtd">
```

```
<html>
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
```

```
<title>ICU License - moved to LICENSE</title>
```

```
</head>
```

<body BGCOLOR="#ffffff">

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</body>

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```

```
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```

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```

```
## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

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

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

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

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

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

```
## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao
```

```
## Compilation rules
```



```

%. $(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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

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

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

## Versioned libraries rules

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

## Bind internal references

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

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

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

```

# 1.443 argon2 0~20161029-1.1

## 1.443.1 Available under license :

Argon2 reference source code package - reference C implementations

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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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- 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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## 1.445 groff 1.22.3 10

### 1.445.1 Available under license :

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-*- text -*-
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The original package can be found at <http://ftp.cs.wisc.edu/pub/misc/grn.tar.Z> .

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

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

src/devices/xditview/DESC.in  
src/devices/xditview/Dvi.c  
src/devices/xditview/Dvi.h  
src/devices/xditview/DviP.h  
src/devices/xditview/FontMap  
src/devices/xditview/GXditview.ad  
src/devices/xditview/Menu.h  
src/devices/xditview/ad2c  
src/devices/xditview/device.c  
src/devices/xditview/device.h  
src/devices/xditview/draw.c  
src/devices/xditview/font.c  
src/devices/xditview/gray1.bm  
src/devices/xditview/gray2.bm  
src/devices/xditview/gray3.bm  
src/devices/xditview/gray4.bm  
src/devices/xditview/gray5.bm  
src/devices/xditview/gray6.bm  
src/devices/xditview/gray7.bm  
src/devices/xditview/gray8.bm  
src/devices/xditview/gxditview.man  
src/devices/xditview/lex.c  
src/devices/xditview/page.c  
src/devices/xditview/parse.c  
src/devices/xditview/xdit.bm  
src/devices/xditview/xdit\_mask.bm  
src/devices/xditview/xditview.c

src/include/DviChar.h  
src/include/XFontName.h

src/libs/libxutil/DviChar.c  
src/libs/libxutil/XFontName.c

## Macro Packages

-----

. The -mdoc macro set, using the BSD license.

tmac/doc.tmac  
tmac/doc-old.tmac  
tmac/doc-common  
tmac/doc-ditroff  
tmac/doc-nroff  
tmac/doc-syms  
tmac/groff\_mdoc.man

. The -me macro set, using the BSD license.

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

## Hyphenation Patterns

-----

. The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at

<ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex> .

It has been renamed for consistency, i.e., to make patterns available under the filenames `hyphen.<language>', e.g. `hyphen.de' or `hyphen.uk'.

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. The file `tmac/hyphen.fr' contains the same patterns as the file `frhyph.tex' (for TeX), which can be found at

<http://dante.ctan.org/CTAN/language/hyphenation/frhyph.tex> .

The patterns have been converted to a format groff can understand.

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. The file `tmac/hyphen.sv' is identical to the file `svhyph.tex', which can be found at

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. The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyph-t-2017-03-31.pat' and `dehyphn-x-2017-03-31.pat' (for TeX), respectively, which can be found at

<http://ctan.org/tex-archive/language/hyphenation/dehyph-exptl>

The patterns have been converted to latin-1.

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. The file `tmac/hyphen.cs' contains the same patterns as the file  
`czhyphen.tex' (for TeX), which can be found in the archive

<http://dante.ctan.org/CTAN/macros/cstex/base/csplain.tar.gz> .

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8x13B.bdf 8x13Bc.bdf 8x13.bdf 8x13c.bdf 8x13-IL2.bdf 8x13O.bdf  
9x15B.bdf 9x15Bc.bdf 9x15.bdf 9x15c.bdf 9x15B-IL2.bdf 9x15-IL2.bdf  
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ter-u20b.bdf, ter-u20n.bdf, ter-u24b.bdf, ter-u24n.bdf,  
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  100dpi-courR10-IL2.bdf 75dpi-courB12.bdf 75dpi-courB12c.bdf
  75dpi-courB12-IL2.bdf 75dpi-courB14.bdf 75dpi-courB14c.bdf
  75dpi-courB14-IL2.bdf 75dpi-courR12.bdf 75dpi-courR12c.bdf
  75dpi-courR12-IL2.bdf 75dpi-courR14.bdf 75dpi-courR14c.bdf
  75dpi-courR14-IL2.bdf
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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  
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```

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## 1.452 alsa 1.1.3 5

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# 1.453 libxext 1.3.3 1

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## 1.454 monit 5.6-2

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## 1.456 atk 2.28.1 1

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## 1.459 jbig-kit 2.1 3.1build1

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```
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```

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

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

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

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

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

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

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

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## 1.461 eclipse-core-runtime 3.7.0

## 1.462 fonts-dejavu 2.37 1

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```

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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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```
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```

<signature of Ty Coon>, 1 April 1989

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When a "work that uses the Library" uses material from a header file



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

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

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

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b) 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.

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

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

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

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Version 2, June 1991

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

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

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

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

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

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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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# 1.470 Icms 2.9 1ubuntu0.1

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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| 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 |
| 2.1.2         | 2.1.1     | 2002     | PSF | yes |
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://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 <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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#### Mersenne Twister

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The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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Asynchronous socket services

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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-----

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SipHash24

-----

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves (supercop/crypto\_auth/siphash24/little)

djb (supercop/crypto\_auth/siphash24/little2)

Jean-Philippe Aumasson (<https://131002.net/siphash/siphash24.c>)

strtod and dtoa

-----

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-----

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-----

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libffi

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zlib

----

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

cfuhash  
-----

The implementation of the hash table used by the `:mod:`tracemalloc`` is based on the cfuhash project::

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libmpdec

-----

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-->
```

```
<!-- $Id$ -->
```

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

```
<xsl:stylesheet version="1.0"  
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"  
xmlns:xi="http://www.w3.org/2001/XInclude"  
xmlns:db="http://docbook.org/ns/docbook">
```

```
<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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  </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="book/info/copyright | refentry/docinfo/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:value-of select="$isc.copyright.breakline"/>
        <xsl:text>#10;</xsl:text>
      </xsl:for-each>
      <xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

```

<!--

- Local variables:
- mode: sgml
- End:

-->

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\* 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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Dumbster SMTP test server

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## 1.477 libexif 0.6.21-4

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## 1.480 command-not-found 18.04.4

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It was downloaded via bzip from  
<https://code.launchpad.net/~zkrynicki/command-not-found/main>

The ubuntu source is at:  
<https://code.edge.launchpad.net/~ubuntu-core-dev/command-not-found/ubuntu>

Upstream Author: Zygmunt Krynicki <[zkrynicki@gmail.com](mailto:zkrynicki@gmail.com)>



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## 1.481 python-certifi 2018.1.18 2

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ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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## 1.482 libxslt 1.1.29 5ubuntu0.2

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## 1.484 nunitv2-core 2.6.4

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## 1.489 python-defaults 3.6.5-3

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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](mailto:guido@cwi.nl)> and others.

This package was put together by Klee Dienes <[klee@debian.org](mailto: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](mailto:bsb@uni-muenster.de)> and Bruce Perens.

Current maintainer is Matthias Klose <[doko@debian.org](mailto: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 |
| 3.0   | 2.6   | 2008      | PSF | yes |
| 3.0.1 | 3.0   | 2009      | PSF | yes |
| 3.1   | 3.0.1 | 2009      | PSF | yes |
| 3.1.1 | 3.1   | 2009      | PSF | yes |

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in

non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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

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

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

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

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



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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based

on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

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

therefore falls outside the scope of this License.

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

Section 6 states terms for distribution of such executables.

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

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the

user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the 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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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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

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Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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

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

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

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

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

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

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

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

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

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- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

If distribution of object code is made by offering access to copy

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

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

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

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directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) 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.
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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## 1.515 findutils 4.6.0+git+20170828 2

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set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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## 1.532 update-inetd 4.44

### 1.532.1 Available under license :

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## 1.533 jnr-constants 0.9.9

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## 1.534 free-type 2.8.1-2ubuntu2

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# Files that don't get a copyright, or which are taken from elsewhere.  
#  
# All lines in this file are patterns, including the comment lines; this  
# means that e.g. `FTL.TXT' matches all files that have this string in  
# the file name (including the path relative to the current directory,  
# always starting with `./').  
#  
# Don't put empty lines into this file!
```

```
#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdfplib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
```

```
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF
```

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```

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## 1.540 bcprov-ext-jdk15on 1.54

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## 1.541 wireless-regdb 2016.06.10-0ubuntu1

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## 1.542 python-defaults 2.7.15~rc1 1

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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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Version 2.1, February 1999

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## 1.544 nettle 3.4 1

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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

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

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

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

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

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That's all there is to it!

# 1.546 rtmpdump 2.4+20151223.gitfa8646d.1 1

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Version 2.1, February 1999

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

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

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The following people and organisations donated financially to help with the release of 1.56:

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DidiSoft, Cotiviti, Atanas Krachev, Encryptomatic LLC, LogicalAnswersIncSupporter

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We also wish to acknowledge financial support from the <a href="https://www.coreinfrastructure.org/">Core Infrastructure Initiative</a> towards developing the TLS API and JSSE provider.

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The following people and organisations donated financially to help with the release of 1.55:

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Digistamp, RAM NAG

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The following people and organisations donated financially to help with the release of 1.52:

<br />

lecker&#064buetterchen.de, Charles Proxy, Gunny Mills, Morgan Le Douget, Ben Whitaker, and Emilio Navarrete Lineros.

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<p>

The following people and organisations donated financially to help with the release of 1.51:

<br />

Gup & Boz @ Alki Seattle, Bytemine GmbH, Ted Pennings, Atanas Krachev, PrimeKey Solutions AB, Martin Paljak, CorseraFri19980116, CPU Terminator, Lindsay Bradford, kares, Philius, and Aaron Anderson.

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Organisations

<ul>

<li>Holders of <a href="http://www.cryptoworkshop.com">Crypto Workshop Support Contracts</a>. Without the consulting time left over from support contracts being contributed back to working on the Bouncy Castle APIs, progress would be impossible. You know who you are!</li>

<li><a href="http://www.atlassian.com/">Atlassian Software Systems</a> donation of Confluence and JIRA licences.</li>

<li><a href="http://www.grierforensics.com/">Grier Forensics</a>, for collaborating in the development of the S/MIME Toolkit and DANE SMIMEA functionality.</li>

<li>TU-Darmstadt, Computer Science Department, RBG, for the initial lightweight client side TLS implementation, which is based on MicroTLS. MicroTLS was developed by Erik Tews under the supervision of Dipl.-Ing. Henning Baer and Prof. Max Muehlhaeuser.

</li>

<li>TU-Darmstadt, Computer Science Department, RBG, for the initial Post Quantum provider, which was based on the FlexiProvider. The FlexiProvider was developed by the Theoretical Computer Science Research Group at TU-Darmstadt, Computer Science Department, RBG under the supervision of Prof. Dr. Johannes Buchmann. More information on the history of FlexiProvider can be found at: <a href="http://www.flexiprovider.de/">http://www.flexiprovider.de/</a>

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<li>Voxeo Labs - sponsorship of the initial development of APIs for DTLS 1.0 (RFC 4347), DTLS-SRTP key negotiation (RFC 5764), and server side TLS 1.1 (RFC 4346) and tested WebRTC compatibility. More information on Voxeo Labs can be found at <a href="http://voxeolabs.com">http://voxeolabs.com</a></li>

</ul>

People

<ul>

<li>Tito Pena <Fortunato.Pena@AdNovum.CH> - initial RC5 implementation</li>

<li>Michael Lee <yfl@mira.net> - initial RC6 implementation, MD2 implementation</li>

<li>Nuno Santos <nsantos@student.dei.uc.pt> - finding toString bug in certificate object.</li>

<li>Brett Sealey <bretts@mortbay.com> - fixing the missing return problem in JDKKeyFactory (affected SSLey private keys).</li>

<li>Victor A. Salaman <salaman@teknos.com> - fixing the bug in Cipher.java which caused it to ignore specified providers, fixing the bug in RSAKeyGenerator which caused keys to be occasionally produced 1 bit too small.</li>

<li>Eran Librach <eran@valicert.com> - spotting and fixing the classLoader bug that occurs if javax.crypto and the provider aren't sharing the same classpath (occurs in JDK 1.3 and greater).</li>

<li>Jonathan Knudsen <jonathan@LearningPatterns.com> - porting information and restrictions when using the lightweight library with the

MIDP environment.</li>  
<li>Markus Niedermann <markus.niedermann@softwired-inc.com> - porting information and restrictions when using the lightweight library with the MIDP environment.</li>  
<li>Mike Benham <moxie@thoughtcrime.org> - detection and fixing of an incorrect weak key in the DES key generation support classes. Suggestions for simplifying DESedeParameter objects. Optimisations for the Blowfish engine and BufferedBlockCipher class.</li>  
<li>Soren Hilmer <hilmer@mail.tele.dk> - initial implementation of netscape certificate request classes.</li>  
<li>Uwe Guenther <uwe@csc.de> - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes.</li>  
<li>Markus Bradtke <mab@informatik.uni-kiel.de> - fixing of a logic error in the JDKKeyStore class.</li>  
<li>Waclaw Sierek <waclaw.sierek@tpg.pl> - fix to setOddParity in the DESParameter class. Assistance with adding ordering to X509 names for certificate generation, proper processing of byte strings in the ASN1 package, further simplifications and additional classes to improve pkcs7 support, bug fixes in CertPath API.</li>  
<li>Ly-Na Phu <lyna.phu@init-consulting.de> - assistance in the addition of ISO 9796-1 padding.</li>  
<li>Stefan K&ouml;psell <sk13@mail.inf.tu-dresden.de> - making the jdk 1.1 version of the collections API available. For further details see <a href="http://sourceforge.net/projects/jcf/">http://sourceforge.net/projects/jcf/</a></li>  
<li>Carmen Bastiaans <cbastiaa@microbits.com.au> - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store.</li>  
<li>Tomas Gustavsson <tomasg@primekey.se> - initial implementation of the AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason, CertificatePolicies, V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes. getRevocationReason() patch for OCSP. Patch to SemanticsInformation to prevent ClassCastException.</li>  
<li>Eugen Kuleshov <euxx@hotmail.com> - optimisations for Blowfish, assistance with PKCS12/keytool interoperability.</li>  
<li>Megan Woods <meganwoods@sekurafire.com> - initial implementation of ECIES.</li>  
<li>Christian Geuer-Pollmann <geuerp@apache.org> - adding IV's to the AESWrap implementations. Initial implementation of DESedeWrap.</li>  
<li>Michael M&#252;hle <michael@mouling.de> - contributing the initial CertPath implementation and compatibility classes, fixing provider bug in JDK 1.1 java.security.cert.CertificateFactory compatibility class.</li>  
<li>Michael Mansell <m&#252;michaelmansell.com> - fixing the parsing of the empty DER set in the ASN.1 library.</li>  
<li>Eike Recker <eike.recker@gmx.de> - fixing misspelling of provider reference for RSA/1 and RSA/2.</li>  
<li>Chris Southern <CSouthern@baltimore.com> - fixing misuse of specified provider in the PKCS10 certification request class.</li>  
<li>Sidney Markowitz <sidney@sidney.com> - fixing null pointed exception on unknown OID in X509Name class, initial implementation of the three AES engines.</li>  
<li>Chris Kerr <ckerr@filonet.ca> - initial implementation of the cms,

asn1.cms, and the mail/smime packages,  
assistance in simplifying the ASN.1 package, miscellaneous other optimisations,  
NIST CertPath certification test, PKIXPolicyNode class, CertPath subtree validation and policy tree construction.  
We also  
wish to acknowledge the generosity of Filonet  
Corporation for allowing Chris to make the initial cms and mail/smime packages available to us.</li>  
<li>Mike Bean <mbean@lucentradius.com> - fixing the fall through bug  
in the IV algorithm parameters class.</li>  
<li>Martin Petraschek <e9526225@student.tuwien.ac.at> - fixing ASN1  
tagging so tag values up to 30 are now supported.</li>  
<li>Jess Garms <jgarms@yahoo.com> - fixing 112/168 key size bug for  
DESede key generation.</li>  
<li>Mike Bremford <mike@big.faceless.org> - contributing the initial PKCS7 implementation.</li>  
<li>Shankar Srinivasan <ssr002@yahoo.com> - S/Mime interoperability testing and debugging.</li>  
<li>Stef Hoeben <ilsestef@skynet.be> - adding Montgomery multiplication to the BigInteger class.</li>  
<li>Klaudiusz Ciosk <kciosk@max.com.pl> - improving the compatibility of  
the SMIME package with the Sun JCE.</li>  
<li>Thomas Houtekier <Thomas.Houtekier@tectrade.net> - S/Mime testing and debugging. Interoperability  
with  
Biztalk.</li>  
<li>Don Hillsberry <hillsber@dialcorp.com> - S/Mime testing and debugging.</li>  
<li>Kazuo Furuya <kfuruya@infoteria.co.jp> - fixing root certificate chaining bug in PKCS12 key store.</li>  
<li>Jason Novotny <jdnovotny@lbl.gov> - initial work on the openSSL PEM processing.</li>  
<li>Joel Hockey <joel.hockey@qsipayments.com> - initial work on the openSSL PEM processing.</li>  
<li>John Steenbruggen <JohnS@geotrust.com> - fixing CertificationRequestInfo to handle cert request info  
objects without attribute blocks.</li>  
<li>Justin Chapweske <justin@chapweske.com> - ordering patch for Tiger message digest.</li>  
<li>John Serock <jserock@hotmail.com> - fixing null pointer exception  
in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId.  
Compliance of KeyUsage extension return value with security API.</li>  
<li>Sascha Weinreuter <Sascha.Weinreuter@cit.de> - fixed SMIME saveChanges() bug.</li>  
<li>Andre Wehnert <aw5@mail.inf.tu-dresden.de> - fixing key schedule problem in RC5-64, fixing buffer  
cleaning issue in buffered block cipher.</li>  
<li>Luigi Lo Iacono <lo\_iacono@nue.et-inf.uni-siegen.de> - adding SIC  
mode to the blockciphers in the provider.</li>  
<li>Tim Sakach <tsakach@certivo.net> - SMIME v2 compatibility patches.</li>  
<li>Marcus Povey <mpovey@brookes.ac.uk> - adding the PGP mode to the lightweight API and the  
provider.</li>  
<li>Sebastian Clau <szlig@sc2@inf.tu-dresden.de> - adding randomness setting  
to the certificate and CRL generators.</li>  
<li>Nicolas Bielza <nicolas.bielza@alligacom.com> - isolating the tagging bug in the ASN.1 library that was  
misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.</li>  
<li>Casey Marshall <rsdio@metastatic.org> - fixing the clone problem with Macs in the clean room JCE.  
<li>Rick Zeldes <rick.zeldes@eds.com> - initial code for CMS/SMIME CompressedData.</li>  
<li>Jarek Gawor <gawor@mcs.anl.gov> - fixing ASN.1 sequence unpacking in BasicConstraints  
constructor.</li>  
<li>Brett Neumeier <random@rnd.cx> - patch to OriginatorIdentifierOrKey object, improvements to encoders  
package, introduction of UriBase64.</li>

- <li>Graham Coles <graham.coles@retail-logic.com> - patch to isParityAdjusted in DESKeySpec.</li>
- <li>Jörn von Kattchee <J.Kattchee@seeburger.de> - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.</li>
- <li>Matteo Artuso <matartuso@libero.it> - picking up the possible overread in ASN1InputStream.</li>
- <li>Julian Morrison <julian@extropy.demon.co.uk> - spotting the slow down in Diffie-Hellman key generation.</li>
- <li>Elmar Sonnenschein <eso@esomail.de> - fix to long conversion in clean room SecureRandom.</li>
- <li>Jörn Schwarze <JSchwarze@ulc.de> - Locale fix for the clean room JCE.</li>
- <li>Bryan Lovquist <bkl@cps.com.au> - Other provider compatibility fixes for CMS signing.</li>
- <li>Artem Portnoy <Artem\_Portnoy@ibi.com> - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.</li>
- <li>Michael Haeusler <haeusler@ponton-consulting.de> - missing OID update for SHA1 with RSA Signature.</li>
- <li>Johan Seland <johans@netfonds.no> - general toString for BigInteger class.</li>
- <li>Johannes Nicolai <johannes.nicolai@novosec.com> - further enhancements to OCSP response generation, fix to CertificateID issuer.</li>
- <li>Marc Doberva <marc.doberva@ilex-si.com> - help in isolating the JSSE/BC RSA key issue.</li>
- <li>Jan Dvorak <jan.dvorak@mathan.cz> - initial implementation of the light weight Null block cipher.</li>
- <li>Joe Cohen <jcohen@forumsys.com> - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.</li>
- <li>Chris Long <along@ece.cmu.edu> - adding public key decoding to PEMReader.</li>
- <li>Hes Siemelink <hes@izecom.com> - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.</li>
- <li>Stefan Puiu <stefanpuiu@yahoo.com> - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.</li>
- <li>Kaiser Yang <kaiseryang@yahoo.com> - Finding BigInteger loop problem in prime generation.</li>
- <li>Jiri Urbanec <jiri.urbanec@logicacmg.com> - patch to fix defect in DERBMPString.equals().</li>
- <li>Justin Kolb <jkolb@pristx.com> - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
- <li>Ralf Hauser <ralfhauser@gmx.ch> - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator.</li>
- <li>Michal Dvorak <M\_Dvorak@kb.cz> - getNextUpdate patch for OCSP SingleResp.</li>
- <li>Klaus Greve Fiorentini <Klaus@cpqd.com.br> - array fix in PGP PublicKeyEncSessionPacket.</li>
- <li>Olivier Refalo <Olivier\_Refalo@fpl.com> - null pointer exception fix for JDK 1.3 CMSSignedData objects.</li>
- <li>Mariusz Bandola <mariusz.bandola@cryptotech.com.pl> - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.</li>
- <li>Brien Oberstein <brien.oberstein@transacttools.net> - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtil.</li>
- <li>Ian Haywood <ian@haywood.bpa.nu> - addition of getSignatureType to PGPSignature.</li>
- <li>Jonathan Edwards <s34gull@mac.com> - initial support for reading multiple rings from a PGP key file.</li>
- <li>Andrew Thornton <andrew@caret.cam.ac.uk> - patch for RSA PUBLIC KEY in PEMReader.</li>
- <li>Gregor Leander <gl@bos-bremen.de> - initial parsing of multiple sequence entries in an X.500 Name.</li>
- <li>Antoon Bosselaers <Antoon.Bosselaers@esat.kuleuven.ac.be> - help with RipeMD320 implementation.</li>
- <li>Peter Sylvester <Peter.Sylvester@edelweb.fr> - improvements to the ASN.1 BasicConstraints object.</li>

<li>Doug <ummmmm&#064myrealbox.com> - addition of isEncryptionKey method to OpenPGP public keys.</li>  
<li>Francois Staes <fstaes&#064netconsult.be> - improvements to DEBitString, DERGeneralizedTime and initial implimentation of DERGeneralString, addition of settable signed content info to CMSSignedDataGenerator, patch to DH key agreement.</li>  
<li>W.R. Dittmer <wdittmer&#064cs.vu.nl> - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKKeyPair to fix nullpointer exception.</li>  
<li>Perez Paz Luis Alberto <laperez&#064banxico.org.mx> - patch to use of BitString in X.500 name.</li>  
<li>James Wright <James\_Wright&#064harte-hanks.com> - patches for dealing with "odd" ArmoredInputStreams.</li>  
<li>Jim Ford <jim&#064muirford.com> - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>  
<li>Michael Hausler <haeusler&#064ponton-consulting.de> - extra aliases for provider.</li>  
<li>Sai Pullabhotla <psai&#064linoma.com> - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>  
<li>Joseph Miller <joseph&#064digiweb.net.nz> - addition of ZeroBytePadding.</li>  
<li>Lars <xyz&#064sagemdenmark.dk> - patch to explicit padded mode for CBC block cipher MAC.</li>  
<li>Jeroen van Vianen <jeroen&#064vanvianen.nl> - the Signed and Encrypted mail example.</li>  
<li>Jun Sun <JSun&#064diversinet.com> - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.</li>  
<li>Petr Dukem <pdukem&#064email.cz> - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.</li>  
<li>Filipe Silva <filipe.silva&#064wedoconsulting.com> - patch to fix overread issue in BCPGInputStream.</li>  
<li>Alpesh Parmar <alps&#064linuxmail.org> - patch for class cast problem in PGPPublicKey.getSignatures().</li>  
<li>Jay Gengelbach <jgengelbach&#064webmethods.com> - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.</li>  
<li>Doug <doug&#064tigerprivacy.com> - public key ring patches for ElGamal Signatures, problem key ring data.</li>  
<li>Matthew Mundy <mmundy1&#064umbc.edu> - infinite loop prevention patch to PKCS5S2ParametersGenerator.</li>  
<li>Tom Cargill <cargill&#064profcon.com> - spelling patch in provider.</li>  
<li>Breitenstrom Christian <C.Breitenstrom&#064t-systems.com> - compatibility patch to SignaturePacket, DetachedSignatureProcessor.</li>  
<li>Zanotti Mirko <zanotti&#064cad.it> - patch to ordered equality test for X509Name.</li>  
<li>Nicola Scandoni <nscandoni&#064babelps.it> - patch to add sorting to CertPath validation.</li>  
<li>Ville Skytt&#064iki.fi - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.</li>  
<li>Bruce Gordon <bruce.gordon&#064savvis.net> - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.</li>  
<li>Miles Whiteley <Miles.Whiteley&#064savvis.net> - "223" fix for BCPGInputStream new packets.</li>  
<li>Albert Moliner <amoliner&#064evintia.com> - initial TSP implementation.</li>  
<li>Carlos Lozano <carlos&#064evintia.com> - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>  
<li>Javier Delgado <javi&#064javi.codewarp.org> - initial Mozilla PublicKeyAndChallenge classes.</li>  
<li>Joni Hahkala <joni.hahkala&#064cern.ch> - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the <a href="http://www.eu-egee.org">EGEE project</a> for making the work available.</li>

<li>Rolf Schillinger<rolf&#064sir-wum.de> - initial implementation of Attribute Certificate generation.</li>  
<li>Sergey Bahtin <Sergey\_Bahtin&#064yahoo.com> - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.</li>  
<li>Franck Leroy <Franck.Leroy&#064keynectis.com> - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>  
<li>Atsuhiko Yamanaka <ymnk&#064jcraft.com> - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>  
<li>Nickolay Bolshackov <tyrex&#064reksoft.ru> - patch for class cast exception in AuthorityInformationAccess class.</li>  
<li>Soren Hilmer <soren.hilmer&#064tietoenator.com> - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>  
<li>Steve Mitchell <mitchell&#064intertrust.com> - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP. Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>  
<li>Dirk Eisner <D.Eisner&#064seeburger.de> - initial implementation of ISO 78164-4 padding.</li>  
<li>Julien Pasquier <julienpasquier&#064free.fr> - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>  
<li>Matteo <matartuso&#064libero.it> - sequence patch to ASN1Dump.</li>  
<li>Andrew Paterson <andrew.paterson&#064burnsecs.com> - patches to PGP tools, isRevoked method on PGPPublicKey.</li>  
<li>Vladimir Molotkov <vladimir.n.molotkov&#064intel.com> - extensive provider exception handling compliance testing.</li>  
<li>Florin Kollan <adlocflo&#064web.de> - fix to ElGamalKeyParameters equality testing.</li>  
<li>Pavel Vassiliev <paulvas&#064gmail.com> - Initial GOST28147Mac implementation.</li>  
<li>Tom Pesman <tom&#064tnux.net> - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.</li>  
<li>Lukasz Kowalczyk <lukasz.b.kowalczyk&#064gmail.com> - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>  
<li>Arndt Hasch <Arndt.Hasch&#064maxence.de> - additional fix for partial reading with new style PGP packets.</li>  
<li>Fix Bernd (KCDP 11) <bernd.fix&#064credit-suisse.com> - fix for 31 byte issue and exception throwing by Whirlpool.</li>  
<li>David M. Lee <dmlee&#064Crossroads.com> - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>  
<li>Mike Dillon <md5&#064embody.org> - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>  
<li>tu-vi cung <t2cung&#064hotmail.com> - patch for out of bounds problem in getDecoderStream method.</li>  
<li>Chris Schultz <cschultz&#064gmail.com> - fix for InputStream constructor for X509V2AttributeCertificate.</li>  
<li>David M. Lee <dmlee&#064Crossroads.com> - implementation assistance with streaming CMS classes.</li>  
<li>Joel Rees <rees&#064ddcom.co.jp> - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>  
<li>Francesc Sau <francesc.sau&#064partners.netfocus.es> - micro fix for tsp Accuracy class.</li>  
<li>Larry Bugbee <bugbee&#064mac.com> - initial ECNR implementation.</li>  
<li>Remi Blancher <Remi.Blancher&#064keynectis.com> - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>



- <li>Brian O'Rourke <brianorourke&#064gmail.com> - patch for signature creation time override in OpenPGP.</li>
- <li>Andreas Schwier <andreas.schwier&#064cardcontact.de> - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
- <li>David Josse <david.josse&#064transacttools.net> - Patch for trailer function in version 2 signature packets.</li>
- <li>Kishimoto Kazuhiko <kazu-k&#064hi-ho.ne.jp> - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
- <li>Lawrence Tan <lwrnctan&#064gmail.com> - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
- <li>Carlos Valiente <superdupont&#064gmail.com> - Addition of CRL writing to the PEMWriter class.</li>
- <li>Keyon AG, Martin Christinat, <a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
- <li>Olaf Keller, <olaf.keller.bc&#064bluewin.ch> - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
- <li>J&ouml;rg Eichhorn <eichhorn&#064ponton-consulting.de> - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
- <li>Karsten Ohme <widerstand&#064t-online.de> - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>
- <li>Carlos Lozano Ruiz <carlos&#064tradise.com> - patch for <ctrl><m> only handling in CRLFOutputStream.</li>
- <li>John Alfred Prufrock <j.a.prufrock&#064gmail.com> - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
- <li>Stefan Neusatz Guilhen <sneusatz&#064gmail.com> - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
- <li>Marzio Lo Giudice <marzio.logiudice&#064gmail.com> - fix to endianness in KDF2BytesGenerator, additional KDF2 tests.</li>
- <li>Georg Lippold <georg.lippold&#064gmx.de> - initial implementation of NaccacheStern cipher.</li>
- <li>Chris Viles <chris\_viles&#064yahoo.com> - fix to SignatureSubpacket critical bit setting.</li>
- <li>Pasi Eronen <Pasi.Eronen&#064nokia.com> - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
- <li>Lijun Liao <lijun.liao&#064rub.de> - performance enhancements for SHA family of digests. Bug report and patch for blank line handling in ArmoredInputStream.</li>
- <li>Maria Ivanova <maria.ivanova&#064gmail.com> - support for tags > 30 in ASN.1 parsing.</li>
- <li>Armin H&auml;berling <arminha&#064student.ethz.ch> - first cut of internationalisation, initial PKIX validation classes.</li>
- <li>Marius Schilder <mschilder&#064google.com> - main set of test vectors for Bleichenbacher's forgery

attack.</li>

<li>Xavier Le Vouch <xavier&#064brittanysoftware.com> - general code clean ups.</li>

<li>Erik Tews <e\_tews&#064cdc.informatik.tu-darmstadt.de> - initial threaded random seed generator, constant-time PKCS#1.5 decoding</li>

<li>Thomas Dixon <reikomusha&#064gmail.com> - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>

<li>Frank Cornelis <info&#064frankcornelis.be>- addition of crlAccessMethod in X509ObjectIdentifiers.</li>

<li>Rui Joaquim <rjoaquim&#064cc.isel.ipl.pt> - initial implementation of RSA blinding for signatures.</li>

<li>David Stacey <DStacey&#064allantgroup.com> - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>

<li>Martijn Brinkers <list&#064mitm.nl> - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>

<li>Julius Davies <juliusdavies&#064gmail.com> - additional modes and algorithm support in PEMReader</li>

<li>Matthias <g&#064rtner.de> - GnuPG compatibility changes for PBEFileProcessor.</li>

<li>Olga K&uuml;thler <olga.kaethler&#064hjp-consulting.com> - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>

<li>Germano Rizzo <germano.rizzo&#064gmail.com> - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>

<li>N&uacute;ria Mar&iacute; <numaa&#064hotmail.com> - patch for alternate data type recognition in CMSSignedDataParser.</li>

<li>Janis Schuller <js&#064tzi.de> - addition of NotationData packets for OpenPGP.</li>

<li>Michael Samblanet <mike&#064samblanet.com> - patches towards improved Sun/default provider support in CMS.</li>

<li>Mike StJohns <mstjohns&#064comcast.net> - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA.</li>

<li>Ramon Keller <ramon.keller&#064gmx.ch> - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>

<li>Mark Nelson <mark&#064nbr.com> - correction to excluded DN in name constraints processing for PKIX processing.</li>

<li>Eugene Golushkov <eugene\_gff&#064ukr.net> - mask fix to single byte read in TlsInputStream.</li>

<li>Julien Pasquier <julienpasquier&#064free.fr> - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>

<li>Peter Knopp <pknopp&#064mtg.de> - fix for named curve recognition in ECGOST key generation.</li>

<li>Jakub Gwozdz <gwozdz&#064rpg.pl> - addition of getTsa() to TimestampTokenInfo.</li>

<li>Bartosz Malkowski <bmalkow&#064tigase.org> - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>

<li>Tal Yacobi <tal.yacobi&#064octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55].</li>

<li>Massimiliano Ziccardi <massimiliano.ziccardi&#064gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>

<li>Andrey Pavlenko <andrey.a.pavlenko&#064gmail.com> - security manager patch for PKCS1Encoding property check.</li>

<li>Mike StJohns <mstjohns&#064comcast.net> - updates to KeyPurposeId</li>

<li>J Ross Nicoll <jrn&#064jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library.</li>

<li>Matthew Stevenson <mavricknz&#064yahoo.com> - patch to construtor for CRMF CertSequence.</li>

<li>Gabriele Contini <gcontini&#064hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>

<li>Roelof Naude <roelof.naude&#064epiuse.com> - patch for TLS client to send empty client certs in response to HP\_CERTIFICATE\_REQUEST.</li>

- <li>Patrick Peck <peck&#064signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
- <li>Michael LeMay <lemaymd&#064lemaymd.com> - identified problem with EAX [#BJA-93].</li>
- <li>Alex Dupre <ale&#064FreeBSD.org> - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]</li>
- <li>Michael Schoene <michael&#064sigrid-und-michael.de> - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
- <li>Ion Larra&ntilde;aga <ilarra&#064s21sec.com> fix to default partial packet generation in BCPGOutputStream.</li>
- <li>Bob Kerns <bob.kerns&#064positscience.com> fix to hashCode for X509CertificateObject.</li>
- <li>Stefan Meyer <stefan.meyer&#064ewe.de> backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
- <li>Robert J. Moore <Robert.J.Moore&#064allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.</li>
- <li>Rui Hodai <rui&#064po.ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.</li>
- <li>Emir Bucalovic <emir.bucalovic&#064mail.com> initial implementation of Grain-v1 and Grain-128.</li>
- <li>Torbjorn Svensson <tobbe79&#064gmail.com> initial implementation of Grain-v1 and Grain-128.</li>
- <li>Paul FitzPatrick <bouncycastle\_pfitz&#064fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
- <li>Henrik Andersson <k.henrik.andersson&#064gmail.com> addition of UniqueIssuerID to certificate generation.</li>
- <li>Cagdas Cirit <cagdasirit&#064gmail.com> subjectAlternativeName fix for x509CertStoreSelector.</li>
- <li>Harakiri <harakiri\_23&#064yahoo.com> datahandler patch for attached parts in SMIME signatures.</li>
- <li>Pedro Henriques <pmahenriques&#064gmail.com> explicit bounds checking for DESKeyGenerator, code simplification for OAEP encoding.</li>
- <li>Lothar Kimmeringer <job&#064kimmeringer.de> verbose mode for ASN1Dump, support for DERExternal.</li>
- <li>Richard Farr <rfarr.se&#064gmail.com> initial SRP-6a implementation.</li>
- <li>Thomas Castiglione <castiglione&#064au.ibm.com> patch to encoding for CRMF OptionalValidity.</li>
- <li>Elisabetta Romani <eromani&#064sopei.it> patch for recognising multiple counter signatures.</li>
- <li>Robin Lundgren <r737lundgren&#064gmail.com> CMPCertificate constructor from X509CertificateStructure fix.</li>
- <li>Petr Kadlec <mormegil&#064centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.</li>
- <li>Andreas Antener <antener\_a&#064gmx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
- <li>Harendra Rawat <hsrawat&#064yahoo.com> fix for BERConstructedOctetString.</li>
- <li>Rolf Lindemann <lindemann&#064trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
- <li>Alex Artamonov <alexart.home&#064gmail.com> name look up patch for GOST-2001 parameters.</li>
- <li>Mike Lyons <mlyons&#064layer7tech.com> work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
- <li>Chris Cole <chris\_h\_cole&#064yahoo.com> identified a problem handling null passwords when loading a BKS keystore.</li>
- <li>Tomas Krivanek <tom&#064atack.cz> added checking of Sender header to SignedMailValidator.</li>
- <li>Michael <emfau&#064t-online.de> correction of field error in getResponse method in CertRepMessage.</li>
- <li>Trevor Perrin <trevor&#064cryptography.com> addition of constant time equals to avoid possible timing attacks.</li>
- <li>Markus Kil&aring;s <markus&#064primekey.se> several enhancements to TimeStampResponseGenerator.</li>

- <li>Dario Novakovic <darionis&#064yahoo.com> fix for NPE when checking revocation reason on CRL without extensions.</li>
- <li>Michael Smith <msmith&#064cbnco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
- <li>Andrea Zilio <andrea.zilio&#064gmail.com> fix for PEM password encryption of private keys.</li>
- <li>Alex Birkett <alex&#064birkett.co.uk> added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
- <li>Wayne Grant <waynedgrant&#064gmail.com> additional OIDs for PKCS10 and certificate generation support.</li>
- <li>Frank Cornelis <info&#064frankcornelis.be> additional support classes for CAdES, enhancements to OCSP classes.</li>
- <li>Jan Dittberner <jan&#064dittberner.info> addHeader patch for SMIME generator.</li>
- <li>Bob McGowan <boab.mcgoo&#064btinternet.com> patch to support different content and mgf digests in PSS signing.</li>
- <li>Ivo Matheis <i.matheis&#064seeburger.de> fix to padding verification in ISO-9796-1.</li>
- <li>Marco Sandrini <nessche&#064gmail.com> patch to add IV to ISO9797Alg3Mac.</li>
- <li>Alf Malf <alfilmalf&#064hotmail.com> removal of unnecessary limit in CMSContentInfoParser.</li>
- <li>Alfonso Massa <alfonso.massa&#064insiel.it> contributions to CMS time stamp classes.</li>
- <li>Giacomo Boccardo <gboccardo&#064unimaticaspa.it> initial work on CMSTimeStampedDataParser.</li>
- <li>Arnis Tartu <arnis&#064ut.ee> patches for dealing with OIDs with specific key sizes associated in CMS.</li>
- <li>Janusz Sikociski <J.Sikocinski&#064gdzie.pl> addition of Features subpacket support to OpenPGP API.</li>
- <li>Juri Hudolejev <jhudolejev&#064gmail.com> JavaDoc fix to CMSSignedDataParser.</li>
- <li>Liane Velten <liane.velten&#064hjp-consulting.com> fine tuning of code for DHParameters validation.</li>
- <li>Shawn Willden <swillden&#064google.com> additional functionality to PGPKeyRing.</li>
- <li>Atanas Krachev <akrachev&#064gmail.com> added support for revocation signatures in OpenPGP.</li>
- <li>Mickael Laiking <mickael.laiking&#064keynectis.com> initial cut of EAC classes.</li>
- <li>Tim Buktu <tbuktu&#064hotmail.com> Initial implementation of NTRU signing and encryption.</li>
- <li>Bernd <rbernd&#064gmail.com> Fix for open of PGP literal data stream with UTF-8 naming.</li>
- <li>Steing Inge Morisbak <stein.inge.morisbak&#064BEKK.no> Test code for lower case Hex data in PEM headers.</li>
- <li>Andreas Schmid <andreas.schmid&#064tngtech.com> Additional expiry time check in PGPPublicKeys.</li>
- <li>Phil Steitz <phil.steitz&#064gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
- <li>Ignat Korchagin <ignat.korchagin&#064gmail.com> Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
- <li>Petar Petrov <p.petrov&#064bers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords.</li>
- <li>Daniel Fitzpatrick <daniel.f.nwr&#064gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
- <li>Andy Neilson <Andy.Neilson&#064quest.com>a further patches to deal with multiple providers and PEMReader.</li>
- <li>Ted Shaw <xiao.xj&#064gmail.com> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
- <li>Eleriseth <Eleriseth&#064WPECGLtYbVi8Rl6Y7Vzl2Lv2EUVW99v3yNV3IWROG8.fms> speed up for SIC/CTR mode. Provider compatilby generalisations for EC operations.</li>
- <li>Kenny Root <kenny&#064the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>
- <li>Maarten Bodewes <maarten.bodewes&#064gmail.com> initial implementation of HKDF and NIST SP 800-108

MAC based KDF functions.</li>  
<li>Philip Clay <pilf\_b&#064yahoo.com> Initial implementation of J-PAKE.</li>  
<li>Brian Carlstrom <bd&#064carlstrom.com> compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>  
<li>Samuel Lid&eacute;n Borell <samuel&#064primekey.se> patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder</li>  
<li>Sergio Demian Lerner <sergiolerner&#064certimix.com> pointing out isInfinity issue in ECDSASigner signature verification.</li>  
<li>Tim Whittington <Tim.Whittington&#064orionhealth.com> patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>  
<li>Marcus Lundblad <marcus.lundblad&#064primekey.se> patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>  
<li>Andrey Zhozhin <zhozhin&#064xrm.ru> patch for override of TSP SignerInfo attributes.</li>  
<li>Sergey Tiunov <t5555d&#064gmail.com> initial cut of DVCS classes.</li>  
<li>Damian Kolasa <fatfredyy&#064gmail.com> ASN1Sequence patch for class cast issue in X9Curve.</li>  
<li>Ash Hughes <ashley.hughes&#064blueyonder.co.uk> patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>  
<li>Daniel Hirscher <dev&#064daniel-hirscher.de> patch to support parsing of explicit EC parameters in PEM files.</li>  
<li>Daniele Ricci <daniele.athome&#064gmail.com> initial implementation of EC keys for OpenPGP and RFC6637 support.</li>  
<li>Matti Aarnio <matti.aarnio&#064methics.fi> tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.</li>  
<li>Babak Najafi <bnajafi&#064akamai.com> fixes to OpenPGP NotationData to prevent truncation problems.</li>  
<li>Eric Mueller <eric.mueller&#064sage.de> additional standard algorithm name lookups in JcaPEMKeyConverter.</li>  
<li>Mathias Herberts <Mathias.Herberts&#064gmail.com> fix to inOff usage in RFC3394WrapEngine.</li>  
<li>Daniil Ivanov <daniil.ivanov&#064gmail.com> addition of provider support for GOST HMAC SecretKeyFactory.</li>  
<li>Daniele Grasso <daniele.grasso86&#064gmail.com> contributions to final Key calculation code for SRP6.</li>  
<li>Andrey Utkin <cindrhc&#064gmail.com> patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>  
<li>Arnis Tartu <arnis&#064ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>  
<li>AxelVDB <axel-vdb&#064riseup.net> initial implementation of Shacal2.</li>  
<li>Roberto Tyley <> further work on completing gradle build.</li>  
<li>Waldemar Dick <wdick&#064devmue.de> code improvement in x500 ASN.1 package.</li>  
<li>Sid Steward <sid.steward&#064pdflabs.com> code improvements to ASN1Boolean.</li>  
<li>Alex Klyubin <klyubin&#064google.com> AlgorithmParameters check for EC key agreement.</li>  
<li>Jonathan Gillett <gsoc.student&#064gmail.com> Initial support for block cipher IVs in IESEngine, IES MAC

length check bug fix.</li>  
<li>Andreas Reiter <andreas.reiter@iaik.tugraz.at> Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>  
<li>Kieran Miller <kieran.miller@gmail.com> initial implementation for RFC 5649 key wrap with padding.</li>  
<li>Oliver Ehli<ehli@arago.de> Additional support for BSI plain ECDSA in the provider.</li>  
<li>Daniel Heldt<Daniel.Heldt@cryptovision.com> Initial support for encodable state message digests</li>  
<li>Robert Bushman <bouncycastle@traxel.com> Clean up of DirectKeySignature example.</li>  
<li>Maurice Aarts<aarts@riscure.com> updated to KDF generator to follow NIST SP 800-108.</li>  
<li>Franziskus Kiefer<https://github.com/franziskuskiefer> initial implementation of Cramer-Shoup.</li>  
<li>KB Sriram<mail\_kb@yahoo.com> testing for odd encodings for PGP User Attribute Subpackets.</li>  
<li>Marco Schulze<marco@nightlabs.de> Reported verification bug in GenericSigner.</li>  
<li>Martin Schaef<https://github.com/martinschaef> contributed a code-cleanup patch.</li>  
<li>Lijun Liao<ljun.liao@gmail.com>; addition of getSignatureAlgorithmID to BasicOCSPResp.</li>  
<li>dstutz<https://github.com/dstutz> added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>  
<li>Tobias Wich<tobias.wich@ecsec.de> Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>  
<li>Hauke Mehrtens<hauke@hauke-m.de> TLS patch to add ECDHE\_ECDSA CCM ciphersuites from RFC 7251.</li>  
<li>Daniel Zimmerman<dmz@galois.com> Further key quality improvements to RSAKeyPairGenerator.</li>  
<li>Jens Kapitzka<lj.kapitzka@schwarze-allianz.de> Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>  
<li>Johan Eklund<johan@primekey.se> update to RFC 6960 for OCSPObjectIdentifiers.</li>  
<li>nikosn<https://github.com/nikosn> Fix to encoding of EC private keys to ensure encoding matches order length.</li>  
<li>Axel von dem Bruch <axel-vdb@riseup.net> Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>  
<li>Derek Atkins <derek@ihftf.com> Documentation fixes to X9ObjectIdentifiers.</li>  
<li>Peter Jr Halicky <peto@halicky.sk> Correction to notification/error message handling in SignedMailValidator.</li>  
<li>lartiguePierre<https://github.com/lartiguePierre> Fix for counter signature SID in CMSSignedData.</li>  
<li>Thomas Belot<thomas.belot+BC@gmail.com> initial CertPathLoopTest for demonstrating stack overflow issue.</li>  
<li>Rich DiCroce<https://github.com/rdicroce> Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>  
<li>Björn Kautler<https://github.com/Vampire> Refinements to cert path validation (authority key addition, certificate order preservation).</li>  
<li>Dominik Schürmann<https://github.com/dschuermann> method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>  
<li>Michael <MSKnete@web.de> initial fix for bitStrength issue for OpenPGP EC keys.</li>  
<li>Tobias Wagner <tobias.wagner@n-design.de> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>  
<li>Sergio Giro <sgiro@google.com> Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>  
<li>bschuetter<https://github.com/bschuetter> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional

methods on CMSSignedDataParser.</li>  
<li>Leonard Dallot<https://github.com/dallotTazTag> Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>  
<li>Jan Willem Janssen <j.w.janssen+bouncycastle&#064;xtreme.nl> Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial content signer verifier for BC lightweight EC.</li>  
<li>Sebastian Oerding <sebastian.oerding@robotron.de> Fixes to toString() in x509.CertificatePolicies.</li>  
<li>Kai Kramer <kai.kramer&#064;gmail.com> Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>  
<li>Benoit Charles <benoit.charles&#064;opentrust.com> Fix for IES data length check on decryption.</li>  
<li>Niko <nfink95&#064;gmail.com> fix to cast issue in getOutputSize() for ECIES.</li>  
<li>akwizgran<https://github.com/akwizgran> Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.</li>  
<li>Matthias Edelhoff <Matthias.Edelhoff&#064;cryptovision.com> BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>  
<li>Lukasz Deputat <lukasz.deputat&#064;gmail.com> Fixed bugs in TlsUtils read methods [#BJA-592].</li>  
<li>Justin Ludwig <https://github.com/justinludwig> Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>  
<li>Andr e Berenguel <https://github.com/aberenguel> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi</li>  
<li>Slawomir Jaranowski<https://github.com/slawekjaranowski> Patch to make cipher/hash/signature name methods in PGP internal API public.</li>  
<li>Andrey Vasilyev<https://github.com/andrey-vasilyev> Initial implementation of GOST R 34.11-2012.</li>  
<li>William Glanton <wglanton77&#064;gmail.com> Fixed bug in Poly1305 [#BJA-620].</li>  
<li>jdvorak001<https://github.com/jdvorak001> Speed improvements for ASN.1 ObjectIdentifier cache.</li>  
<li>Joseph Naegele <jnaegele@grierforensics.com> Patch for handling multiple certificates in a DANE SMIMEA entry.</li>  
<li>Andrew Bonventre<https://github.com/andybons> NullPointer patch for WNafUtil.</li>  
<li>The Google Security Team (Project Wycheproof) <https://github.com/google/wycheproof> defect analysis and additional test cases for the provider.</li>  
<li>The Intel Security Team <> analysis detecting the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine.</li>  
</ul>  
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# 1.557 thermald 1.7.0-5ubuntu1

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## 1.561 tcp-dump 4.9.2 3

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# 1.569 invokebinder 1.7

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# action of contract, negligence or other tortious action, arising out  
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# with the use or inability to use the program or any product, material  
# or result produced or otherwise obtained by using the program,  
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# foregoing by his or her commencement of use of the program. The term  
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# In the case where the program, whether in its original form or  
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# from and not be held liable to the user for any such damages as noted  
# above as far as the program is concerned.  
#  
# -----COPYING.ipadic-----END-----

3. Lao Word Break Dictionary Data (laodict.txt)

```
# Copyright (c) 2013 International Business Machines Corporation
# and others. All Rights Reserved.
#
# Project: http://code.google.com/p/lao-dictionary/
# Dictionary: http://lao-dictionary.googlecode.com/git/Lao-Dictionary.txt
# License: http://lao-dictionary.googlecode.com/git/Lao-Dictionary-LICENSE.txt
#       (copied below)
#
# This file is derived from the above dictionary, with slight
# modifications.
# -----
# Copyright (C) 2013 Brian Eugene Wilson, Robert Martin Campbell.
# All rights reserved.
#
# Redistribution and use in source and binary forms, with or without
# modification,
# are permitted provided that the following conditions are met:
#
#
# Redistributions of source code must retain the above copyright notice, this
# list of conditions and the following disclaimer. Redistributions in
# binary form must reproduce the above copyright notice, this list of
# conditions and the following disclaimer in the documentation and/or
# other materials provided with the distribution.
#
#
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
# "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
# LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS
# FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE
# COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT,
# INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
# (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR
# SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
# HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT,
# STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
# ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED
# OF THE POSSIBILITY OF SUCH DAMAGE.
# -----
```

#### 4. Burmese Word Break Dictionary Data (burmesedict.txt)

```
# Copyright (c) 2014 International Business Machines Corporation
# and others. All Rights Reserved.
#
# This list is part of a project hosted at:
#   github.com/kanyawtech/myanmar-karen-word-lists
#
```



```
# -----  
# Copyright (c) 2013, LeRoy Benjamin Sharon  
# All rights reserved.  
#  
# Redistribution and use in source and binary forms, with or without  
# modification, are permitted provided that the following conditions  
# are met: Redistributions of source code must retain the above  
# copyright notice, this list of conditions and the following  
# disclaimer. Redistributions in binary form must reproduce the  
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# disclaimer in the documentation and/or other materials provided  
# with the distribution.  
#  
# Neither the name Myanmar Karen Word Lists, nor the names of its  
# contributors may be used to endorse or promote products derived  
# from this software without specific prior written permission.  
#  
# THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND  
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# INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
# MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE  
# DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS  
# BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,  
# EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED  
# TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,  
# DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON  
# ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR  
# TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF  
# THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF  
# SUCH DAMAGE.  
# -----
```

## 5. Time Zone Database

ICU uses the public domain data and code derived from Time Zone Database for its time zone support. The ownership of the TZ database is explained in BCP 175: Procedure for Maintaining the Time Zone Database section 7.

### # 7. Database Ownership

```
#  
# The TZ database itself is not an IETF Contribution or an IETF  
# document. Rather it is a pre-existing and regularly updated work  
# that is in the public domain, and is intended to remain in the  
# public domain. Therefore, BCPS 78 [RFC5378] and 79 [RFC3979] do  
# not apply to the TZ Database or contributions that individuals make  
# to it. Should any claims be made and substantiated against the TZ  
# Database, the organization that is providing the IANA
```

```
# Considerations defined in this RFC, under the memorandum of
# understanding with the IETF, currently ICANN, may act in accordance
# with all competent court orders. No ownership claims will be made
# by ICANN or the IETF Trust on the database or the code. Any person
# making a contribution to the database or code waives all rights to
# future claims in that contribution or in the TZ Database.
## *-makefile*-
## Copyright (C) 2016 and later: Unicode, Inc. and others.
## License & terms of use: http://www.unicode.org/copyright.html
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
## Copyright (c) 1999-2013, International Business Machines Corporation and
## others. All Rights Reserved.
```

```
## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

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

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

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

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

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

```
## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao
```

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

```
%. $(STATIC_O): $(srcdir)/%.cpp
```

```
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```

```
## Dependency rules
```

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

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

```
## Versioned libraries rules
```

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

```
## Bind internal references
```

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

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

```
## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
```

```
## End BSD-specific setup
```

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>ICU License - moved to LICENSE</title>
</head>

<body BGCOLOR="#ffffff">
<p>
```

The ICU license is now in plain text format, see [LICENSE](/LICENSE).

Update links and software appropriately.

</p>

<i> 2016 and later: Unicode, Inc. and others. License & terms of use:  
<http://www.unicode.org/copyright.html></i>

<i> 1995-2016 International Business Machines Corporation and others</i>

</body>

</html>

## 1.571 cracklib 2.9.2-5build1

### 1.571.1 Available under license :

-----  
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected  
in released code until Nov 2009 - slow release cycle...)  
-----

Discussion thread from mailing list archive, with approval from everyone actively  
involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly  
and see if he wants to relicense his code as LGPL... but at this point,  
it was enough to just get it consistent and documented as to what it was  
released under. This wasn't actually a license change, just a  
clarification of the licensing that was already in place.=20

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----  
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:15 PM  
> To: cracklib-devel@li...  
> Subject: [Cracklib-devel] cracklib license  
>=20  
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing  
> libraries under  
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
> -mike

Re: [Cracklib-devel] cracklib license  
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec directly  
> and see if he wants to relicense his code as LGPL... but at this point,  
> it was enough to just get it consistent and documented as to what it was  
> released under. This wasn't actually a license change, just a  
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20  
GPL-2 ... it was a modified artistic license ... i didnt notice the license=  
=20  
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=  
eir=20  
applications are also GPL-2 which imo is just wrong. it isnt the place of =  
a=20  
library to dictact to application writes what license they should be using.=  
=20  
thus LGPL-2.1 enters to fill this void.  
=2Dmike

Re: [Cracklib-devel] cracklib license  
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46  
Seems like the ideal thing here would be for you and the other distro  
maintainers to get together with Alec in a conversation and come to a  
decision as to what licensing scheme y'all want. I haven't really done  
much other than cleaning up the packaging and patches and a small bit of  
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...  
University of Missouri - Rolla Phone: (573) 341-6679  
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:33 PM  
> To: Neulinger, Nathan  
> Cc: cracklib-devel@li...; Alec Muffett  
> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:  
> > I understand that, and you're welcome to bring it up with Alec  
> directly  
> > and see if he wants to relicense his code as LGPL... but at this  
> point,  
> > it was enough to just get it consistent and documented as to what  
> it was  
> > released under. This wasn't actually a license change, just a  
> > clarification of the licensing that was already in place.

>=20

> the original license (before moving to sourceforge -- aka, 2.7) was  
> not  
> GPL-2 ... it was a modified artistic license ... i didnt notice the  
> license  
> change until it was mentioned in the latest notes.

>=20

> unlike the old license, GPL-2 prevents people from using cracklib  
> unless their  
> applications are also GPL-2 which imo is just wrong. it isnt the  
> place of a  
> library to dictact to application writes what license they should  
> be using.  
> thus LGPL-2.1 enters to fill this void.  
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro  
> maintainers to get together with Alec in a conversation and come to a  
> decision as to what licensing scheme y'all want. I haven't really done

> much other than cleaning up the packaging and patches and a small  
> bit of  
> additional code, so whatever licensing y'all come up with is fine  
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be  
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I think it is in everyone's  
best interests to have as secure systems as possible, and I think tainting  
it via GPL will just make it less likely that the library gets used, and  
will not usually cause companies/developers to GPL the dependent code  
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct  
license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro  
>> maintainers to get together with Alec in a conversation and come to a  
>> decision as to what licensing scheme y'all want. I haven't really done  
>> much other than cleaning up the packaging and patches and a small  
>> bit of  
>> additional code, so whatever licensing y'all come up with is fine  
>> by me.  
>  
> I am sympathetic. Guys, what do you reckon?  
>  
> What I am hearing so far is that LGPL makes sense, since it can be  
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable  
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro  
>>> maintainers to get together with Alec in a conversation and come to a  
>>> decision as to what licensing scheme y'all want. I haven't really done  
>>> much other than cleaning up the packaging and patches and a small  
>>> bit of  
>>> additional code, so whatever licensing y'all come up with is fine  
>>> by me.

>>

>> I am sympathetic. Guys, what do you reckon?

>>

>> What I am hearing so far is that LGPL makes sense, since it can be  
>> linked with any code, not just GPL...

>

> My apologies for not chiming in in anything resembling a reasonable  
> timeframe.

>

> I'd also suggest the LGPL, for the reason you noted above. Alternately,  
> GPLv2 with the option of using the library under a later version of the  
> GPL would permit applications which were released under version 3 of the  
> GPL to use the library, too, which would be sufficient for the packages  
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.

>

> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
the change now ?

-mike



Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

> >> In any case, I thank you both for working on sorting this out.

> >

> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we  
> > make the change now ?

>

> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...

-mike

-----  
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.  
-----

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-----

From alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:03 -0500  
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:02 -0500  
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000  
Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000  
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623  
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from [82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length: 585  
Lines: 21

>  
> ----- Forwarded message -----  
> From: Neulinger, Nathan <nneul@umr.edu>  
> Date: Sep 27, 2007 2:58 PM  
> Subject: RE: cracklib license  
> To: alecm@crypto.dircon.co.uk  
>  
> Any chance you could write me a self-contained email stating clearly

> that the license is being changed to GPL, so I could include that  
> email  
> in the repository and clean up the repository/tarballs? I have all the  
> original discussion, but something succinct and self contained  
> would be  
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

## GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

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

### Preamble

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This license, the Lesser General Public License, applies to some  
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can use it too, but we suggest you first think carefully about whether  
this license or the ordinary General Public License is the better  
strategy to use in any particular case, based on the explanations  
below.

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it in new free programs; and that you are informed that you can do  
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# 1.572 derby 10.14.1.0

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The levenshtein automata tables (under core/src/java/org/apache/lucene/util/automaton) were automatically generated with the moman/finenight FSA library, created by Jean-Philippe Barrette-LaPierre. This library is available under an MIT license, see <http://sites.google.com/site/rrettesite/moman> and <http://bitbucket.org/jpbarrette/moman/overview/>

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The snowball stemmers in  
analysis/common/src/java/net/sf/snowball  
were developed by Martin Porter and Richard Boulton.  
The snowball stopword lists in  
analysis/common/src/resources/org/apache/lucene/analysis/snowball  
were developed by Martin Porter and Richard Boulton.  
The full snowball package is available from  
<http://snowball.tartarus.org/>

The KStem stemmer in



analysis/common/src/org/apache/lucene/analysis/en  
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)  
under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (common) come with a default  
stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

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

See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers  
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and  
Ljiljana Dolamic. These files reside in:

analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java  
analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

The Stempel analyzer (stempel) includes BSD-licensed software developed  
by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil,  
and Edmond Nolan.

The Polish analyzer (stempel) comes with a default  
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in `stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt`.  
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The SmartChineseAnalyzer source code (smartcn) was  
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WordBreakTestUnicode\_\*.java (under `modules/analysis/common/src/test/`)  
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The Morfologik analyzer (morfologik) includes BSD-licensed software  
developed by Dawid Weiss and Marcin Mikowski (<http://morfologik.blogspot.com/>).

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Servlet-api.jar and javax.servlet-\*.jar are under the CDDL license, the original source code for this can be found at <http://www.eclipse.org/jetty/downloads.php>

=====  
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration  
=====

This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

<http://atilika.com/releases/mecab-ipadic/mecab-ipadic-2.7.0-20070801.tar.gz>

or

<http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz>

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dns.c - Recursive, Reentrant DNS Resolver.

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```

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@vskip 20pt plus 1fil
```

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@end macro
```

```
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```

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@end macro
```

```
@macro copyrightend{ }
```

```
@end macro
```

```
@node Copyrights and Licenses, , Acknowledgments, Top
```

```
@comment node-name, next, previous, up
```

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@heading Doug Rabson

GSS-API mechglue layer.

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@table @asis

@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

@item KCM credential cache.

@item HDB LDAP backend.

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vis.c in libroken

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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kdc/announce.c

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DES core in libcrypto

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge.

Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

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Windows support

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lib/hcrypto/test\_dh.c

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## 1.576 kbd 2.0.4 2ubuntu1













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The packaging is based on Michael Biebl's <biebl@teco.edu> original packaging of libnl1.

It was downloaded from <https://github.com/thom311/libnl/releases>

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lib/netfilter/queue\_msg.c  
lib/netfilter/queue.c  
lib/netfilter/netfilter.c  
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include/netlink/netfilter/netfilter.h  
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include/netlink/xfrm/sp.h  
include/netlink/xfrm/template.h  
include/netlink/xfrm/lifetime.h  
lib/xfrm/sa.c  
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Version 3, 29 June 2007

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```
# frozen_string_literal: true
require 'rubygems/text'
```

```
class Gem::Licenses
  extend Gem::Text

  NONSTANDARD = 'Nonstandard'.freeze

  # Software Package Data Exchange (SPDX) standard open-source software
  # license identifiers
  IDENTIFIERS = %w(
    0BSD
    AAL
    ADSL
    AFL-1.1
    AFL-1.2
    AFL-2.0
    AFL-2.1
    AFL-3.0
    AGPL-1.0
    AGPL-3.0
    AMDPLPA
    AML
    AMPAS
    ANTLR-PD
    APAFML
    APL-1.0
    APSL-1.0
    APSL-1.1
    APSL-1.2
    APSL-2.0
    Abstyles
    Adobe-2006
    Adobe-Glyph
    Afmparse
    Aladdin
    Apache-1.0
    Apache-1.1
    Apache-2.0
    Artistic-1.0
    Artistic-1.0-Perl
    Artistic-1.0-cl8
    Artistic-2.0
    BSD-2-Clause
    BSD-2-Clause-FreeBSD
    BSD-2-Clause-NetBSD
    BSD-3-Clause
    BSD-3-Clause-Attribution
    BSD-3-Clause-Clear
    BSD-3-Clause-LBNL
```

BSD-4-Clause  
BSD-4-Clause-UC  
BSD-Protection  
BSL-1.0  
Bahyph  
Barr  
Beerware  
BitTorrent-1.0  
BitTorrent-1.1  
Borceux  
CATOSL-1.1  
CC-BY-1.0  
CC-BY-2.0  
CC-BY-2.5  
CC-BY-3.0  
CC-BY-4.0  
CC-BY-NC-1.0  
CC-BY-NC-2.0  
CC-BY-NC-2.5  
CC-BY-NC-3.0  
CC-BY-NC-4.0  
CC-BY-NC-ND-1.0  
CC-BY-NC-ND-2.0  
CC-BY-NC-ND-2.5  
CC-BY-NC-ND-3.0  
CC-BY-NC-ND-4.0  
CC-BY-NC-SA-1.0  
CC-BY-NC-SA-2.0  
CC-BY-NC-SA-2.5  
CC-BY-NC-SA-3.0  
CC-BY-NC-SA-4.0  
CC-BY-ND-1.0  
CC-BY-ND-2.0  
CC-BY-ND-2.5  
CC-BY-ND-3.0  
CC-BY-ND-4.0  
CC-BY-SA-1.0  
CC-BY-SA-2.0  
CC-BY-SA-2.5  
CC-BY-SA-3.0  
CC-BY-SA-4.0  
CC0-1.0  
CDDL-1.0  
CDDL-1.1  
CECILL-1.0  
CECILL-1.1  
CECILL-2.0  
CECILL-2.1

CECILL-B  
CECILL-C  
CNRI-Jython  
CNRI-Python  
CNRI-Python-GPL-Compatible  
CPAL-1.0  
CPL-1.0  
CPOL-1.02  
CUA-OPL-1.0  
Caldera  
CIArtistic  
Condor-1.1  
Crossword  
CrystalStacker  
Cube  
D-FSL-1.0  
DOC  
DSDP  
Dotseqn  
ECL-1.0  
ECL-2.0  
EFL-1.0  
EFL-2.0  
EPL-1.0  
EUDatagrid  
EUPL-1.0  
EUPL-1.1  
Entessa  
ErlPL-1.1  
Eurosymb  
FSFUL  
FSFULLR  
FTL  
Fair  
Frameworkx-1.0  
FreeImage  
GFDL-1.1  
GFDL-1.2  
GFDL-1.3  
GL2PS  
GPL-1.0  
GPL-2.0  
GPL-3.0  
Giftware  
Glide  
Glulxe  
HPND  
HaskellReport

IBM-pibs  
ICU  
IJG  
IPA  
IPL-1.0  
ISC  
ImageMagick  
Imlib2  
Intel  
Intel-ACPI  
Interbase-1.0  
JSON  
JasPer-2.0  
LGPL-2.0  
LGPL-2.1  
LGPL-3.0  
LGPLLR  
LPL-1.0  
LPL-1.02  
LPPL-1.0  
LPPL-1.1  
LPPL-1.2  
LPPL-1.3a  
LPPL-1.3c  
Latex2e  
Leptonica  
Libpng  
MIT  
MIT-CMU  
MIT-advertising  
MIT-enna  
MIT-feh  
MITNFA  
MPL-1.0  
MPL-1.1  
MPL-2.0  
MPL-2.0-no-copyleft-exception  
MS-PL  
MS-RL  
MTLL  
MakeIndex  
MirOS  
Motosoto  
Multics  
Mup  
NASA-1.3  
NBPL-1.0  
NCSA

NGPL  
NLPL  
NOSL  
NPL-1.0  
NPL-1.1  
NPOSL-3.0  
NRL  
NTP  
Naumen  
NetCDF  
Newsletr  
Nokia  
Noweb  
Nunit  
OCLC-2.0  
ODbL-1.0  
OFL-1.0  
OFL-1.1  
OGTSL  
OLDAP-1.1  
OLDAP-1.2  
OLDAP-1.3  
OLDAP-1.4  
OLDAP-2.0  
OLDAP-2.0.1  
OLDAP-2.1  
OLDAP-2.2  
OLDAP-2.2.1  
OLDAP-2.2.2  
OLDAP-2.3  
OLDAP-2.4  
OLDAP-2.5  
OLDAP-2.6  
OLDAP-2.7  
OLDAP-2.8  
OML  
OPL-1.0  
OSL-1.0  
OSL-1.1  
OSL-2.0  
OSL-2.1  
OSL-3.0  
OpenSSL  
PDDL-1.0  
PHP-3.0  
PHP-3.01  
Plexus  
PostgreSQL

Python-2.0  
QPL-1.0  
Qhull  
RHeCos-1.1  
RPL-1.1  
RPL-1.5  
RPSL-1.0  
RSA-MD  
RSCPL  
Rdisc  
Ruby  
SAX-PD  
SCEA  
SGI-B-1.0  
SGI-B-1.1  
SGI-B-2.0  
SISSL  
SISSL-1.2  
SMLNJ  
SNIA  
SPL-1.0  
SWL  
Saxpath  
Sendmail  
SimPL-2.0  
Sleepycat  
Spencer-86  
Spencer-94  
Spencer-99  
SugarCRM-1.1.3  
TCL  
TMate  
TORQUE-1.1  
TOSL  
UPL-1.0  
Unicode-TOU  
Unlicense  
VOSTROM  
VSL-1.0  
Vim  
W3C  
W3C-19980720  
WTFPL  
Watcom-1.0  
Wsuipa  
X11  
XFree86-1.1  
XSkat



Xerox  
Xnet  
YPL-1.0  
YPL-1.1  
ZPL-1.1  
ZPL-2.0  
ZPL-2.1  
Zed  
Zend-2.0  
Zimbra-1.3  
Zimbra-1.4  
Zlib  
bzip2-1.0.5  
bzip2-1.0.6  
diffmark  
dvi2pdf  
eGenix  
gSOAP-1.3b  
gnuplot  
iMatix  
libtiff  
mpich2  
psfrag  
psutils  
xinetd  
xpp  
zlib-acknowledgement  
)freeze

```
REGEXP = %r{
  \A
  (
    #{Regexp.union(IDENTIFIERS)}
    \+?
    (\s WITH \s .+)?
    | #{NONSTANDARD}
  )
  \Z
}ox.freeze
```

```
def self.match?(license)
  !REGEXP.match(license).nil?
end
```

```
def self.suggestions(license)
  by_distance = IDENTIFIERS.group_by do |identifier|
    levenshtein_distance(identifier, license)
  end
```

```
lowest = by_distance.keys.min
return unless lowest < license.size
by_distance[lowest]
end
end
```

# 1.582 shared-mime-info 1.9 2

## 1.582.1 Available under license :

This package was debianized by Filip Van Raemdonck (mechanix@debian.org) on Thu, 4 Jul 2002 20:59:23 +0200.

It was downloaded from <https://freedesktop.org/wiki/Software/shared-mime-info>.

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```

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## 1.583 keyutils 1.5.9 9.2ubuntu2

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Version 2, June 1991

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<html>
```

```
<head>
```

```
<title>Berkeley DB: Berkeley DB Product License</title>
```

```
<meta name="description" content="Berkeley DB: An embedded database programmatic toolkit.">
```

```
<meta name="keywords"
```

```
content="embedded,database,programmatic,toolkit,btree,hash,hashing,transaction,transactions,locking,logging,access method,access methods,Java,C,C++">
```

```
</head>
```

```
<body bgcolor=white>
```

```
<p align=center><b>Berkeley DB Product License</b></p>
```

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</body>
```

```
</html>
```

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 * $Id$
 */
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*/
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/*
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=====

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

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## libcurl

Uses an [MIT style license](<https://curl.haxx.se/docs/copyright.html>) that is very liberal.

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## libressl

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## c-ares

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## zlib

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

## MIT Kerberos

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## Heimdal

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## GNU GSS

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-----  
Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam\_motd/pam\_motd.c

```
=====
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
     close(fd);
 }

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+    }
+}
```

```

+ /* Get the password entry */
+ pwd = pam_modutil_getpwnam (pamh, user);
+ if (pwd != NULL)
+ {
+     if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+         pam_syslog(pamh, LOG_ERR,
+             "Unable to change UID to %d temporarily\n",
+             pwd->pw_uid);
+         retval = PAM_SESSION_ERR;
+         goto finished;
+     }
+
+     if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+         goto finished;
+     if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+         goto finished;
+
+     if (stat(flag, &s) != 0)
+     {
+         display_file(pamh, "/etc/legal");
+         mkdir(dir, 0700);
+         f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+             S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+         if (f>=0) close(f);
+     }
+
+finished:
+     if (pam_modutil_regain_priv(pamh, &privs)) {
+         pam_syslog(pamh, LOG_ERR,
+             "Unable to change UID back to %d\n", privs.old_uid);
+         retval = PAM_SESSION_ERR;
+     }
+
+     _pam_drop(flag);
+     _pam_drop(dir);
+ }
+ }
+ return retval;
+ }
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
    int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+ /* Display the legal disclaimer only if necessary */

```

```
+   retval = display_legal(pamh);
+
+   return retval;
}
```

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Author: Keith Packard, MIT X Consortium

# 1.607 perl 5.26.1 6ubuntu0.3

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```
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```

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```

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```
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```

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

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```
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```

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The End

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;

use Config;

BEGIN { require './test.pl' }

```

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

    open my $readme, '<', './README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /\b(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

```

```
my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";

$year;
}
```

-----

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

-----

---

abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

build\_requires:

File::Temp: 0.15

Test::Harness: 3.16

Test::More: 0.49

generated\_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: Module-Build

resources:

MailingList: <mailto:module-build@perl.org>

license: <http://dev.perl.org/licenses/>

repository: <http://github.com/dagolden/module-build/>

version: 3

# 1.608 base-passwd 3.5.44

## 1.608.1 Available under license :

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

Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/\*

Copyright: Copyright 1999-2002 Wichert Akkerman <wichert@deephackmode.org>

Copyright 2002, 2003, 2004 Colin Watson <cjwatson@debian.org>

License: GPL-2

Files: passwd.master, group.master

License: PD

X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and

Bruce Perens <bruce@pixar.com>.

Files: doc/\*

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