

IP360 DP 9.2.4 - Use of Third-Party Libraries

activemq-broker 5.15.14 (Apache-2.0)	Apache-2.0
activemq-camel 5.15.14 (Apache-2.0)	Apache-2.0
activemq-client 5.15.14 (Apache-2.0)	Apache-2.0
activemq-jms-pool 5.15.14 (Apache-2.0)	Apache-2.0
activemq-kahadb-store 5.15.14 (Apache-2.0)	Apache-2.0
activemq-openwire-legacy 5.15.14 (Apache-2.0)	Apache-2.0
activemq-pool 5.15.14 (Apache-2.0)	Apache-2.0
activemq-protobuf 1.1 (Apache-2.0)	Apache-2.0
activemq-spring 5.15.14 (Apache-2.0)	Apache-2.0
activemq-stomp 5.15.14 (Apache-2.0)	Apache-2.0
aopalliance 1.0 (Public Domain)	Public Domain
apr 1.6.2 (Apache-2.0)	Apache-2.0
apr-util 1.6.0 (Apache-2.0)	Apache-2.0
asm 3.1 (BSD-3)	BSD-3-Clause
asn1crypto 0.24.0 (MIT)	MIT-Style License
atk 2.28.1 (LGPL-2.0+)	LGPL-2.0-or-later
authconfig 6.2.8 (GPL-2.0+)	GPL-2.0-or-later
awaitility 1.7.0 (Apache-2.0)	Apache-2.0
basesystem 10.0 (Public Domain)	Public Domain
bash 4.2.46 (GPL-3.0+)	GPL-3.0-or-later
bind-libs-lite 9.11.4 (MPLv2.0)	MPL-2.0
bind-license 9.11.4 (MPLv2.0)	MPL-2.0
boto3 1.10.39 (Apache-2.0)	Apache-2.0
botocore 1.13.39 (Apache v2.0)	Apache-2.0
bsh 2.0b6 (Apache v2.0)	Apache-2.0
bzip2 1.0.5 (BSD)	BSD-Style License
bzip2 1.0.6 (bzip2 License)	bzip2 License
bzip2-devel 1.0.6 (bzip2 License)	BSD-Style License
bzip2-libs 1.0.5 (bzip2 License)	BSD-Style License
ca-certificates 2018.2.22 (Public Domain)	Public Domain
cairo 1.15.12 (MPLv1.1)	MPL-1.1
camel-core 2.19.5 (Apache-2.0)	Apache-2.0
camel-core 2.25.2 (Apache-2.0)	Apache-2.0
camel-jms 2.19.5 (Apache-2.0)	Apache-2.0
camel-jms 2.25.2 (Apache-2.0)	Apache-2.0
camel-spring 2.25.2 (Apache-2.0)	Apache-2.0
cffi 1.12.3 (MIT)	MIT-Style License
cglib 2.2.1-v20090111 (Apache-2.0)	Apache-2.0
cglib-nodep 3.1 (Apache-2.0)	Apache-2.0
checker-qual 2.10.0 (MIT)	MIT
click 6.7 [Bundled with mitsuhiko-click-6.7] (BSD)	BSD-Style License

commons-io 2.5 (Apache-2.0)	Apache-2.0
commons-logging 1.0.3 (Apache v1.1)	Apache-1.1
commons-net 3.7.2 (Apache-2.0)	Apache-2.0
commons-pool 1.6 (Apache 2.0)	Apache-2.0
commons-pool2 2.9.0 (Apache-2.0)	Apache-2.0
copy-jdk-configs 3.3 (BSD)	BSD-Style License
cracklib 2.8.16 (LGPL v2.1+)	LGPL-2.1-or-later
cracklib-dicts 2.8.16 (LGPL v2.1+)	LGPL-2.1-or-later
createrepo 0.9.9 (GPL-2.0)	GPL-2.0-only
cryptography 2.6.1 (Apache-2.0)	Apache-2.0
curl 7.29.0 (MIT)	MIT
cyrus-sasl-plain 2.1.26 (BSD)	BSD-Style License
dejavu-fonts-common 2.33 (Bitstream Vera Fonts License)	Bitstream Vera Fonts License
dejavu-sans-fonts 2.33 (Bitstream Vera Fonts License)	Bitstream Vera Fonts License
dhclient 4.2.5 (ISC License (ISC))	ISC
dhcp-common 4.2.5 (ISC License (ISC))	ISC
dhcp-libs 4.2.5 (ISC License (ISC))	ISC
diffutils 2.8.1 (GPL v2.0+)	GPL-2.0-or-later
Django 1.11.29 (BSD-3-Clause)	BSD-Style License
docutils 0.14 (Public Domain)	Public Domain
dosfstools 3.0.20 (GPL-3.0+)	GPL-3.0-or-later
dracut-fips 033 (GPL-2.0+)	GPL-2.0-or-later
dracut-fips-aesni 033 (GPL-2.0+)	GPL-2.0-or-later
dstat 0.7.2 (GPL v2.0)	GPL-2.0-only
e1000e 3.4.0.2 (GPL-3)	GPL-3.0-only
eccsnacks 1.0.1 (Public Domain)	Public Domain
enum34 1.1.6 (BSD)	BSD-Style License
equalsverifier 1.7.5 (Apache-2.0)	Apache-2.0
error_prone_annotations 2.3.4 (Apache-2.0)	Apache-2.0
expat-devel 2.1.0 (MIT)	MIT
failureaccess 1.0.1 (Apache v2.0)	Apache-2.0
fastinfoset 1.2.15 (Apache-2.0)	Apache-2.0
file-libs 5.04 (BSD)	BSD-Style License
filesystem 2.4.30 (Public Domain)	Public Domain
fontconfig 2.13.0 (MIT)	MIT-Style License
fontpackages-filesystem 1.44 (Public Domain)	Public Domain
fribidi 1.0.2 (LGPL-2.0)	LGPL-2.0-or-later
ftp 0.17 (BSD)	BSD-Style License
futures 3.2.0 (Python License)	Python License
gamin 0.1.10 (LGPL v2.0)	LGPL-2.0-only
gdb 7.6.1 (LGPL-2.0)	LGPL-2.0-or-later
gdk-pixbuf2 2.36.12 (LGPL-2.0+)	LGPL-2.0-or-later
GeoIP 1.5.0 (GPL-2.0+)	GPL-2.0-or-later
geoipupdate 2.5.0 (GPL-2.0)	GPL-2.0-or-later

geronimo-j2ee-management_1.1_spec 1.0.1 (Apache-2.0)	Apache-2.0
geronimo-jms_1.1_spec 1.1.1 (Apache-2.0)	Apache-2.0
geronimo-jms_2.0_spec 1.0-alpha-2 (Apache-2.0)	Apache-2.0
geronimo-jta_1.1_spec 1.1.1 (Apache-2.0)	Apache-2.0
gettext 0.19.8.1 (GPL-3.0+)	GPL-3.0-or-later
gettext-libs 0.19.8.1 (GPL-3.0)	GPL-3.0-or-later
gevent-gevent 1.3.6 (MIT)	MIT
giflib 4.1.6 (MIT)	MIT-Style License
glibc-devel 2.17 (GPL-2.0+)	GPL-2.0-or-later
glibc-headers 2.17 (LGPL-2.0)	LGPL-2.0
gmp-devel 6.0.0 (LGPLv3+)	GPL-2.0-or-later
gnupg2 2.0.14 (GPL v3.0+)	GPL-3.0-or-later
gpars 1.2.1 (Apache v2.0)	Apache-2.0
gpgme 1.1.8 (LGPL v2.0+)	LGPL-2.0-or-later
graphite2 1.3.10 (LGPLv2)	LGPL-2.1-or-later
grep 2.20 (GPL-3.0+)	GPL-3.0-or-later
groovy-all 2.4.17 (Apache v2.0)	Apache-2.0
grub2 2.02 (GPL-3.0+)	GPL-3.0-or-later
grub2-common 2.02	GPL-3.0-or-later
grub2-pc 2.02	GPL-3.0-or-later
grub2-pc-modules 2.02	GPL-3.0-or-later
grub2-tools 2.02 (GPL-3.0+)	GPL-3.0-or-later
grub2-tools-extra 2.02	GPL-3.0-or-later
grub2-tools-minimal 2.02	GPL-3.0-or-later
gtk-update-icon-cache 3.22.30 (LGPL-2.0+)	LGPL-2.0-or-later
gtk2 2.24.31 (LGPL-2.0+)	LGPL-2.0-or-later
guava 28.2 (Apache-2.0)	Apache-2.0
guava-retrying 2.0.0 (Apache v2.0)	Apache-2.0
guice 3.0 (Apache 2.0)	Apache-2.0
guice 4.0 (Apache v2.0)	Apache-2.0
guice-assistedinject 4.0 (Apache v2.0)	Apache-2.0
guice-multibindings 4.0 (Apache v2.0)	Apache-2.0
guice-servlet 4.0 (Apache v2.0)	Apache-2.0
guice-throwingproviders 4.0 (Apache v2.0)	Apache-2.0
hamcrest-all 1.1 (Apache-2.0)	Apache-2.0
hamcrest-core 1.3 (BSD-3-Clause)	BSD-3-Clause
hamcrest-date 1.1.0 (BSD-3-Clause)	BSD-3-Clause
hamcrest-integration 1.3 (BSD)	BSD Style/Attribution
harfbuzz 1.7.5 (MIT)	MIT
hawtbuf 1.11 (Apache-2.0)	Apache-2.0
hdparm 9.43 (BSD)	BSD-Style License
hicolor-icon-theme 0.12 (GPL-2)	GNU General Public License
hmacalc 0.9.13 (BSD)	BSD-Style License
hsqldb 2.5.0 (BSD)	BSD Style/Attribution

httpd-2.4.51(Apache License 2.0)	Apache-2.0
icu4c 57.1.0 (ICU License)	ICU
idna 2.2 (BSD)	BSD-Style License
info 4.13a (GPL v3.0+)	GPL-3.0-or-later
ipaddr 2.1.11 (Apache-2.0)	Apache-2.0
ipaddress 1.0.18 (Python License)	Python License
iperf 2.0.13 (BSD)	BSD Style/Attribution
iproute 4.11.0 (GNU General Public License or Public Domain or GPL-2.0-or-later)	GPL-2.0-or-later
iproute2 3.19.0 (GPL-2.0)	GPL-2.0-only
istack-commons-runtime 3.0.7 (CDDL-1.1)	CDDL-1.1
j2objc-annotations 1.3 (Apache-2.0)	Apache-2.0
jackson-annotations 2.13.2 (Apache-2.0)	Apache-2.0
jackson-annotations 2.9.10 (Apache-2.0)	Apache-2.0
jackson-core 2.13.2 (Apache-2.0)	Apache-2.0
jackson-core 2.9.10 (Apache-2.0)	Apache-2.0
jackson-databind 2.13.2.2 (Apache-2.0)	Apache-2.0
jasper-libs 1.900.1 (JasPer)	JasPer-2.0
java-1.8.0-openjdk 1.8.0.252.b09 (GPLv2 w/CE)	GNU General Public License v2.0 or later with Classpath Exception
java-1.8.0-openjdk-headless 1.8.0.252 (GPL-2.0 w/CE)	GNU General Public License v2.0 or later with Classpath Exception
javax.activation-api 1.2.0 (CDDL-1.1)	CDDL-1.1
javax.inject 1 (Apache 2.0)	Apache-2.0
jaxb-api 2.3.1 (CDDL-1.1)	CDDL-1.1
jaxb-core 2.3.0 (CDDL v1.1)	CDDL-1.1
jaxb-impl 2.3.0 (CDDL v1.1)	CDDL-1.1
jaxb-runtime 2.3.1 (CDDL-1.1)	CDDL-1.1
jbigkit-libs 2.0 (GPL v2.0+)	GPL-2.0-or-later
jcommander 1.72 (Apache v2.0)	Apache-2.0
jcommander 1.78 (Apache-2.0)	Apache-2.0
jmespath 0.9.3 (MIT)	MIT-Style License
jsonrpc-lib 0.1.7 (Apache-2.0)	Apache-2.0
jsr166y 1.7.0 (Public Domain)	Creative Commons CC0 1.0 Universal Public Domain Dedication
JSR305 2.0.2 (BSD-3)	BSD-3-Clause-Clear
jsr305 3.0.2 (Apache-2.0)	Apache-2.0
junit 4.11 (CPL 1.0)	CPL-1.0
kernel 4.9.215 (GPL-2.0)	GPL-2.0-only
kernel-headers 4.9.221 (GPL-2.0)	GPL-2.0-only
less 436 (GPL v3.0)	GPL-3.0-or-later
libattr 2.4.44 (LGPL v2.0+)	LGPL-2.0-or-later
libcurl 7.29.0 (curl)	curl
libffi 3.0.5 (BSD)	BSD-Style License
libgpg-error 1.7 (LGPL v2.0+)	LGPL-2.0-or-later

libnih 1.0.1 (GPL v2.0)	GPL-2.0-only
libnl 1.1.4 (LGPL v2.0)	LGPL-2.0-only
libpciaccess 0.13.4 (MIT)	MIT
libselinux 2.0.94 (Public Domain)	Public Domain
libsepol 2.0.41 (LGPL v2.0+)	LGPL-2.0-or-later
libusb 0.1.12 (LGPL v2.0+)	LGPL-2.0-or-later
libutempter 1.1.5 (LGPL v2.0)	LGPL-2.0-only
libuuid 2.17.2 (BSD)	BSD-Style License
libXext 1.3.3 (MIT)	MIT
libXfixes 5.0.3 (MIT)	MIT-Style License
libXft 2.3.2 (MIT)	MIT
libXinerama 1.1.3 (MIT)	MIT-Style License
libxml2 2.9.1 (MIT)	MIT
libxml2-python 2.9.1 (MIT)	MIT
libXrandr 1.5.1 (MIT)	MIT-Style License
libXrender 0.9.10 (MIT)	MIT
libXtst 1.2.3 (MIT)	MIT
listenablefuture 9999.0-empty-to-avoid-conflict-with-guava (Apache v2.0)	Apache-2.0
log4cplus 1.1.2 (Apache-2.0)	Apache-2.0
logback-classic 1.2.11 (GNU Library/Lesser General Public License or EPL-1.0)	EPL-1.0
lua 5.1.4 (MIT)	MIT-Style License
lxml 4.6.5 (BSD)	BSD-Style License
M2Crypto 0.25.1 (BSD)	BSD-Style License
m4 1.4.13 (GPL v3.0+)	GPL-3.0-or-later
MAKEDEV 3.24 (GPL v2.0)	GPL-2.0-only
mapdb 1.0.8 (Apache-2.0)	Apache-2.0
microcode 20180807a (Intel Binary Distribution License)	Intel Binary Distribution License
microcode_ctl 2.1 (GNU General Public License or GPL-2.0-or-later)	GPL-2.0-or-later
mingetty 1.08 (GPL v2.0+)	GPL-2.0-or-later
mockito-core 1.8.5 (MIT)	MIT-Style License
monit 5.15 (AGPL-3)	AGPL-3.0-only
monit 5.15.bcentos6 (AGPL)	AGPL-3.0-only
multiverse-core 0.7.0 (Apache v2.0)	Apache-2.0
ncurses 5.7 (MIT)	MIT
ncurses-base 5.7 (MIT)	MIT
ncurses-libs 5.7 (MIT)	MIT
netaddr 0.7.19 (BSD)	BSD-3-Clause
netifaces 0.10.5 (MIT)	MIT-Style License
netty-all 4.1.49 (Apache-2.0)	Apache-2.0
nmap 6.40.tw1.bcentos6 (Commercial NMAP License)	Other/Commercial
nmap-6.40-tw1.bcentos6r20170801005315 (Commercial Nmap License)	GPL-2.0-or-later

ntlmads 1.0.962 (GPL-2.0)	GPL-3.0-only
ntlmads 1.0.962.bcentos6 (GPL-2.0)	GPL-2.0-only
ntp 4.2.6p5 (MIT)	MIT-Style License
ntpdate 4.2.6p5 (MIT)	MIT-Style License
objenesis 2.1 (Apache-2.0)	Apache-2.0
openldap 2.4.40 (OpenLDAP)	OLDAP-2.5
openldap 2.4.44 (OpenLDAP)	OLDAP-2.8
openssl 1.0.2zb (OpenSSL)	OpenSSL
openssl fips-2.0.16 (OpenSSL License)	OpenSSL
openssl-1.1.1l(OpenSSL)	OpenSSL
openssl098e 0.9.8e (OpenSSL)	OpenSSL
p11-kit 0.18.5 (BSD)	BSD-Style License
p11-kit-trust 0.18.5 (BSD)	BSD-Style License
patch 2.6 (GPL v2.0+)	GPL-2.0-or-later
pbr 1.8.0 (Apache v2.0)	Apache-2.0
perl-Pod-Escapes 1.04 (Artistic License)	Artistic License
pip 9.0.1 (MIT)	MIT-Style License
pkgconfig 0.23 (GPL v2.0+)	GPL-2.0-or-later
popt 1.13 (MIT)	MIT-Style License
postgresql11-libs 11.5 (PostgreSQL)	PostgreSQL
protobuf 3.1.0 (BSD)	BSD-3-Clause
protobuf-java 2.6.1 (BSD)	BSD Style/Attribution
protobuf-java 3.6.1 (BSD-3-Clause)	BSD-3-Clause
psutil 5.0.1 (BSD)	BSD-Style License
psycopg2 2.6.2 (LGPL-3.0)	LGPL-3.0-or-later
pth 2.0.7 (LGPL v2.0+)	LGPL-2.0-or-later
py-1.9.0(MIT)	MIT
pyasn1 0.2.2 (BSD)	BSD-3-Clause
pycparser 2.17 (BSD)	BSD-3-Clause
pycrypto 2.6.1 (Public Domain)	Public Domain
pygpgme 0.1 (LGPL v2.0+)	LGPL-2.0-or-later
pyOpenSSL 0.13.1 (Apache-2.0)	Apache-2.0
pyOpenSSL 16.2.0 (Apache-2.0)	Apache-2.0
pytest 2.6.1 (MIT)	MIT-Style License
python-chardet 2.2.1 (LGPL-2.1)	LGPL-2.1-only
python-dateutil 2.8.0 (Apache-2.0)	Apache-2.0
python-libs 2.6.6 (Python License)	Python License
python-psutils 3.1.1 (BSD)	BSD-3-Clause
python-pycurl 7.19.0 (MIT)	MIT-Style License
python-requests 2.6.0 (Apache-2.0)	Apache-2.0
python-rfoo 1.3.0 (BSD)	BSD-Style License
pytz 2018.9 (MIT)	MIT-Style License
readline 6.0 (GPL v3.0+)	GPL-3.0-or-later
requests 2.12.3 (Apache-2.0)	Apache-2.0

rootfiles 8.1 (Public Domain)	Public Domain
rpm 0.0.2 (GPL-2.0)	GPL-2.0-only
rsa 3.4.2 (Apache-2.0)	Apache-2.0
rsyslog-8.29.0(LGPL-3.0)	LGPL-3.0-only
rsyslog-gnutls 8.29.0	GPL-3.0+
s3transfer 0.2.1 (Apache-2.0)	Apache-2.0
samba 4.7.5 (GPL v3.0)	GPL-3.0-only
sed 4.2.1 (GPL v2.0+)	GPL-2.0-or-later
setup 2.8.14 (Public Domain)	Public Domain
setup 2.8.71 (Public Domain)	Public Domain
setuptools 28.8.0 (MIT)	MIT
setuptools 33.1.1 (MIT)	MIT
setuptools 40.0.0 (MIT)	MIT
shadow-utils 4.1.5.1 (BSD)	BSD-Style License
shared-mime-info 0.70 (GPL v2.0+)	GPL-2.0-or-later
simplejson 3.10.0 (MIT)	MIT-Style License
six 1.10.0 (MIT)	MIT
slf4j-simple 1.7.25 (MIT)	MIT
spring-aop 5.3.3 (Apache-2.0)	Apache-2.0
spring-beans 5.3.3 (Apache-2.0)	Apache-2.0
spring-context 5.3.3 (Apache-2.0)	Apache-2.0
spring-core 5.3.3 (Apache-2.0)	Apache-2.0
spring-expression 5.3.3 (Apache-2.0)	Apache-2.0
spring-jcl 5.3.3 (Apache-2.0)	Apache-2.0
spring-jms 5.3.3 (Apache-2.0)	Apache-2.0
spring-messaging 5.3.3 (Apache-2.0)	Apache-2.0
spring-tx 5.3.3 (Apache-2.0)	Apache-2.0
sqlite 3.6.20 (Public Domain)	Public Domain
sqlite-devel 3.7.17 (Public Domain)	Public Domain
stax-ex 1.8 (CDDL-1.1)	CDDL-1.1
stompest 2.3.0 (Apache-2.0)	Apache-2.0
telnet 0.17 (BSD)	BSD-Style License
testng 6.8.21 (Apache-2.0)	Apache-2.0
toml 0.10.0 (MIT)	MIT-Style License
transsocks 1.1.0 (MIT)	MIT
ttmkfdir 3.0.9 (LGPL v2.0+)	LGPL-2.0-or-later
txw2 2.3.1 (CDDL-1.1)	CDDL-1.1
typing 3.5.3.0 (Python License)	Python License
unzip 6.0 (BSD)	BSD-Style License
ustr 1.0.4 (BSD)	BSD-Style License
vim-minimal 7.4.629 (Vim)	Vim
WALinuxAgent 2.2.48.1 (Apache-2.0)	Apache-2.0
wrapper 3.5.25 (Other/Commercial)	Other/Commercial
xbean-spring 4.18 (Apache-2.0)	Apache-2.0

xmlsec1 1.2.20 (MIT)	MIT-Style License
xmlsec1-openssl 1.2.20 (MIT)	MIT-Style License
xz 4.999.9 (LGPL v2.0+)	LGPL-2.0-or-later
xz-libs 4.999.9 (LGPL v2.0+)	LGPL-2.0-or-later
yum-metadata-parser 1.1.2 (GPL v2.0)	GPL-2.0-only
zip 3.0 (BSD)	BSD-Style License

IP360 DP 9.2.4 - Third-Party Notices Report

activemq-broker 5.15.14 (Apache-2.0)

<https://repo1.maven.org/maven2/org/apache/activemq/activemq-broker>

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ActiveMQ :: Broker

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activemq-camel 5.15.14 (Apache-2.0)

<https://repo1.maven.org/maven2/org/apache/activemq/activemq-camel>

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ActiveMQ :: Camel

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activemq-client 5.15.14 (Apache-2.0)

<https://repo1.maven.org/maven2/org/apache/activemq/activemq-client>

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activemq-jms-pool 5.15.14 (Apache-2.0)

<https://repo1.maven.org/maven2/org/apache/activemq/activemq-jms-pool>

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ActiveMQ :: Generic JMS Pool

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activemq-kahadb-store 5.15.14 (Apache-2.0)

<https://repo1.maven.org/maven2/org/apache/activemq/activemq-kahadb-store>

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ActiveMQ :: KahaDB Store

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activemq-openwire-legacy 5.15.14 (Apache-2.0)

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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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```

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_sprintf.c:

- *
- * cvt - IEEE floating point formatting routines.
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- *

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_sprintf.c:

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

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

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

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

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

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

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

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

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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.

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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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.

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

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

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

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

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

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

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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.

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

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

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

"Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable

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

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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 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.

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) 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:

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

Preamble

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it. And you must show them these terms so they know their rights.

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

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is

analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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

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.

1. 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.

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:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,

in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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 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.

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) 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:

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.

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Appendix: How to Apply These Terms to Your New Libraries

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 * httpd@ncsa.uiuc.edu
 *
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          =====
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

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Michael Campanella (campanella@stevms.enet.dec.com)

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

```
* NCSA HTTPd Server  
* Software Development Group  
* National Center for Supercomputing Applications  
* University of Illinois at Urbana-Champaign  
* 605 E. Springfield, Champaign, IL 61820  
* httpd@ncsa.uiuc.edu
```

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*
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```
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```

```
*
```

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```
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          =====
```

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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)

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*
* md5.c: NCSA HTTPd code which uses the md5c.c RSA Code

```

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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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*/

For the test\zb.c component:

/* ZeusBench V1.01

=====

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

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Michael Campanella (campanella@stevms.enet.dec.com)

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```
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* httpd@ncsa.uiuc.edu  
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*-----  
*  
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```
*/
```

```
/*
```

```
* The apr_md5_encode() routine uses much code obtained from the FreeBSD 3.0
```

```
* MD5 crypt() function, which is licenced as follows:
```

```
* -----
```

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* -----

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```
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```

```
=====
```

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- * Software Development Group
- * National Center for Supercomputing Applications
- * University of Illinois at Urbana-Champaign
- * 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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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

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Michael Campanella (campanella@stevms.enet.dec.com)

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Jackson JSON processor

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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.

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

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

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

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

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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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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 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.

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

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

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

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(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 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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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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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.

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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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"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-

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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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- 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.

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