

IP360 VNE 9.2.0 - Use of Third-Party Libraries

Name	License Type
antlr 2.7.7 (ANTLR 2 Public Domain License)	ANTLR-PD
commons-el 1.0 (Apache 1.1)	Apache-1.1
commons-logging 1.0.3 (Apache v1.1)	Apache-1.1
oro 2.0.8 (Apache 1.1)	Apache-1.1
sitemesh 2.4 (Apache 1.1)	Apache-1.1
activemq-broker 5.15.12 (Apache-2.0)	Apache-2.0
activemq-camel 5.15.12 (Apache-2.0)	Apache-2.0
activemq-client 5.15.12 (Apache-2.0)	Apache-2.0
activemq-core 5.6.0 (Apache-2.0)	Apache-2.0
activemq-jms-pool 5.15.12 (Apache-2.0)	Apache-2.0
activemq-kahadb-store 5.15.12 (Apache-2.0)	Apache-2.0
activemq-openwire-legacy 5.15.12 (Apache-2.0)	Apache-2.0
activemq-pool 5.15.12 (Apache-2.0)	Apache-2.0
activemq-protobuf 1.1 (Apache-2.0)	Apache-2.0
activemq-spring 5.15.12 (Apache-2.0)	Apache-2.0
activemq-stomp 5.15.12 (Apache-2.0)	Apache-2.0
apr 1.6.2 (Apache-2.0)	Apache-2.0
apr-util 1.6.0 (Apache-2.0)	Apache-2.0
awaitility 1.7.0 (Apache-2.0)	Apache-2.0
bcrypt 3.1.4 (Apache-2.0)	Apache-2.0
bsh 2.0b6 (Apache v2.0)	Apache-2.0
cache 1.0.1 (Apache v2.0)	Apache-2.0
camel-core 2.19.5 (Apache-2.0)	Apache-2.0
camel-jms 2.19.5 (Apache-2.0)	Apache-2.0
cas-client-core 3.2.1 (Apache v2.0)	Apache-2.0
cglib 2.2 (Apache 2.0)	Apache-2.0
cglib 2.2.1-v20090111 (Apache-2.0)	Apache-2.0
cglib-nodep 3.1 (Apache-2.0)	Apache-2.0
commons-beanutils 1.8.3 (Apache 2.0)	Apache-2.0
commons-codec 1.6 (Apache 2.0)	Apache-2.0

Name	License Type
commons-collections 3.2.1 (Apache 2.0)	Apache-2.0
commons-dbc 1.4 (Apache 2.0)	Apache-2.0
commons-fileupload 1.2.2 (Apache 2.0)	Apache-2.0
commons-io 2.1 (Apache 2.0)	Apache-2.0
commons-io 2.5 (Apache-2.0)	Apache-2.0
commons-logging 1.1.1 (Apache-2.0)	Apache-2.0
commons-pool 1.5.6 (Apache 2.0)	Apache-2.0
commons-pool 1.6 (Apache 2.0)	Apache-2.0
commons-pool2 2.8.0 (Apache-2.0)	Apache-2.0
commons-validator 1.3.1 (Apache 2.0)	Apache-2.0
concurrentlinkedhashmap-lru 1.3.1 (Apache 2.0)	Apache-2.0
containerd 1.3.7 (Apache-2.0)	Apache-2.0
cryptography 2.6.1 (Apache-2.0)	Apache-2.0
database-migration 1.3.8 (Apache v2.0)	Apache-2.0
djangosaml2 0.17.2 (Apache-2.0)	Apache-2.0
docker-docker-ce 19.03.13 (Apache-2.0)	Apache-2.0
docker-docker-ce-cli 19.03.13 (Apache-2.0)	Apache-2.0
ehcache-core 2.4.6 (Apache 2.0)	Apache-2.0
equalsverifier 1.7.5 (Apache-2.0)	Apache-2.0
failureaccess 1.0.1 (Apache v2.0)	Apache-2.0
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-jta_1.1_spec 1.1.1 (Apache-2.0)	Apache-2.0
gpars 1.2.1 (Apache v2.0)	Apache-2.0
grails-bootstrap 2.2.1 (Apache 2.0)	Apache-2.0
grails-core 2.2.1 (Apache v2.0)	Apache-2.0
grails-crud 2.2.1 (Apache 2.0)	Apache-2.0
grails-datastore-core 1.1.5.RELEASE (Apache 2.0)	Apache-2.0
grails-datastore-gorm 1.1.5.RELEASE (Apache v2.0)	Apache-2.0
grails-datastore-simple 1.1.5.RELEASE (Apache 2.0)	Apache-2.0
grails-hibernate 2.2.1 (Apache 2.0)	Apache-2.0
grails-logging 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-codecs 2.2.1 (Apache 2.0)	Apache-2.0

Name	License Type
grails-plugin-controllers 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-converters 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-datasource 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-domain-class 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-filters 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-gsp 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-i18n 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-log4j 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-mimetypes 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-scaffolding 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-services 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-servlets 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-url-mappings 2.2.1 (Apache 2.0)	Apache-2.0
grails-plugin-validation 2.2.1 (Apache 2.0)	Apache-2.0
grails-resources 2.2.1 (Apache 2.0)	Apache-2.0
grails-spring 2.2.1 (Apache 2.0)	Apache-2.0
grails-web 2.2.1 (Apache 2.0)	Apache-2.0
groovy-all 2.0.7 (Apache 2.0)	Apache-2.0
guava 13.0.1 (Apache-2.0)	Apache-2.0
guava 18.0 (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 4.1.0 (Apache v2.0)	Apache-2.0
guice 4.2.2 (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
hawtbuf 1.11 (Apache-2.0)	Apache-2.0
hibernate 2.2.1 (Apache-2.0)	Apache-2.0
hibernate-validator 4.1.0 (Apache-2.0)	Apache-2.0

Name	License Type
ipaddr 2.1.11 (Apache-2.0)	Apache-2.0
javassist 3.16.1-GA (Apache 2.0)	Apache-2.0
javax.inject 1 (Apache 2.0)	Apache-2.0
jcommander 1.72 (Apache v2.0)	Apache-2.0
jetty-runner 9.1.0 (Apache-2.0)	Apache-2.0
jmx 0.8 (Apache v2.0)	Apache-2.0
joda-time 2.1 (Apache-2.0)	Apache-2.0
jsonrplib 0.1.7 (Apache-2.0)	Apache-2.0
jstl 1.1.2 (Apache v2.0)	Apache-2.0
kahaDB 5.6.0 (Apache 2.0)	Apache-2.0
liquibase-core 2.0.5 (Apache v2.0)	Apache-2.0
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
log4j 1.2.16 (Apache 2.0)	Apache-2.0
mapdb 1.0.8 (Apache-2.0)	Apache-2.0
mod_wsgi 4.6.4 (Apache-2.0)	Apache-2.0
msabramo-requests-unixsocket (Apache-2.0)	Apache-2.0
multiverse-core 0.7.0 (Apache v2.0)	Apache-2.0
objenesis 2.1 (Apache-2.0)	Apache-2.0
pbr 1.8.0 (Apache v2.0)	Apache-2.0
pyNaCl 1.3.0 (Apache-2.0)	Apache-2.0
pyOpenSSL 16.2.0 (Apache-2.0)	Apache-2.0
pysaml2 4.6.2 (Apache-2.0)	Apache-2.0
pysaml2 5.0.0 (Apache-2.0)	Apache-2.0
python-requests 2.6.0 (Apache-2.0)	Apache-2.0
quartz 1.6.1 (Apache v2.0)	Apache-2.0
requests 2.12.3 (Apache-2.0)	Apache-2.0
resources 1.1.6 (Apache v2.0)	Apache-2.0
rsa 3.4.2 (Apache-2.0)	Apache-2.0
rsyslog 5.8.10 (Apache-2.0)	Apache-2.0
shiro 1.1.4 (Apache v2.0)	Apache-2.0
shiro-cas 1.2.0 (Apache 2.0)	Apache-2.0
shiro-core 1.2.0 (Apache 2.0)	Apache-2.0

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shiro-ehcache 1.2.0 (Apache 2.0)	Apache-2.0
shiro-quartz 1.2.0 (Apache 2.0)	Apache-2.0
shiro-spring 1.2.0 (Apache 2.0)	Apache-2.0
shiro-web 1.2.1 (Apache 2.0)	Apache-2.0
spring-aop 3.0.6.RELEASE (Apache v2.0)	Apache-2.0
spring-aop 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-aop 5.1.6.RELEASE (Apache v2.0)	Apache-2.0
spring-asm 3.0.6.RELEASE	Apache-2.0
spring-asm 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-aspects 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-beans 3.0.6.RELEASE (Apache v2.0)	Apache-2.0
spring-beans 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-beans 5.1.6.RELEASE (Apache v2.0)	Apache-2.0
spring-context 3.0.6.RELEASE (Apache v2.0)	Apache-2.0
spring-context 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-context 5.1.6.RELEASE (Apache v2.0)	Apache-2.0
spring-context-support 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-core 3.0.6.RELEASE (Apache v2.0)	Apache-2.0
spring-core 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-core 5.1.6.RELEASE (Apache v2.0)	Apache-2.0
spring-expression 3.0.6.RELEASE (Apache v2.0)	Apache-2.0
spring-expression 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-expression 5.1.6.RELEASE (Apache v2.0)	Apache-2.0
spring-jcl 5.1.6.RELEASE (Apache v2.0)	Apache-2.0
spring-jdbc 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-jms 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-jms 5.1.6.RELEASE (Apache v2.0)	Apache-2.0
spring-messaging 5.1.6.RELEASE (Apache v2.0)	Apache-2.0
spring-orm 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-test 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-tx 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
spring-tx 5.1.6.RELEASE (Apache v2.0)	Apache-2.0
spring-web 3.1.4.RELEASE (Apache 2.0)	Apache-2.0

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spring-webmvc 3.1.4.RELEASE (Apache 2.0)	Apache-2.0
stompest 2.3.0 (Apache-2.0)	Apache-2.0
teamcity 1.0.3 (Apache v2.0)	Apache-2.0
testng 6.8.21 (Apache-2.0)	Apache-2.0
usertype.jodatime 1.9 (Apache 2.0)	Apache-2.0
usertype.spi 1.9 (Apache 2.0)	Apache-2.0
validation-api 1.0.0 (Apache-2.0)	Apache-2.0
webxml 1.4.1 (Apache v2.0)	Apache-2.0
xerces-c 3.1.1 (Apache-2.0)	Apache-2.0
adobe-type-tools-cmap-resources-20171205(BSD-3-Clause)	BSD or BSD-like
adobe-type-tools-cmap-resources-deprecated 20171205(BSD-3-Clause)	BSD or BSD-like
adobe-type-tools-mapping-resources-pdf-20180407(BSD-3-Clause)	BSD or BSD-like
asm 3.1 (BSD-3)	BSD or BSD-like
bzip2 1.0.5 (BSD)	BSD or BSD-like
bzip2-libs 1.0.5 (bzip2 License)	BSD or BSD-like
click 6.7 (BSD)	BSD or BSD-like
coreapi 2.3.3 (BSD)	BSD or BSD-like
coreschema 0.0.4 (BSD)	BSD or BSD-like
cyrus-sasl-lib 2.1.23 (BSD)	BSD or BSD-like
decorator 4.0.11 (BSD)	BSD or BSD-like
django 1.11.20 (Apache v2.0)	BSD or BSD-like
django-filter 1.1.0 (BSD)	BSD or BSD-like
django-rest-swagger 2.2.0 (BSD)	BSD or BSD-like
djangorestframework 3.6.3 (BSD)	BSD or BSD-like
djangorestframework 3.7.7 (BSD)	BSD or BSD-like
drf-yasg 1.16.0 (BSD)	BSD or BSD-like
enum34 1.1.6 (BSD)	BSD or BSD-like
file 5.04 (BSD)	BSD or BSD-like
file-libs 5.04 (BSD)	BSD or BSD-like
hamcrest-core 1.2.1 (BSD-3-Clause)	BSD or BSD-like
hamcrest-core 1.3 (BSD-3-Clause)	BSD or BSD-like
hamcrest-date 1.1.0 (BSD-3-Clause)	BSD or BSD-like

Name	License Type
hamcrest-integration 1.3 (BSD)	BSD or BSD-like
idna 2.2 (BSD)	BSD or BSD-like
itypes 1.1.0 (BSD)	BSD or BSD-like
jinja2 2.10.1 (BSD)	BSD or BSD-like
jinja2 2.6 (BSD)	BSD or BSD-like
JSR305 2.0.2 (BSD-3)	BSD or BSD-like
libcap 2.16 (BSD)	BSD or BSD-like
libffi 3.0.5 (BSD)	BSD or BSD-like
libpqqx 4.0.1 (BSD-3-Clause)	BSD or BSD-like
libssh2 1.4.2 (BSD)	BSD or BSD-like
libuuid 2.17.2 (BSD)	BSD or BSD-like
lxml 3.7.3 (BSD)	BSD or BSD-like
lxml 4.5.2 (BSD-3-Clause)	BSD or BSD-like
M2Crypto 0.25.1 (BSD)	BSD or BSD-like
markupsafe 1.0 (BSD)	BSD or BSD-like
microcode 20180807a (Intel Binary Distribution License)	BSD or BSD-like
net-snmp 5.7.2 (BSD)	BSD or BSD-like
net-snmp-agent-libs 5.7.2 (BSD)	BSD or BSD-like
net-snmp-utils 5.7.2 (BSD)	BSD or BSD-like
netaddr 0.7.19 (BSD)	BSD or BSD-like
nginx 1.16.1 (BSD-2-Clause)	BSD or BSD-like
nginx-all-modules 1.16.1 (BSD-2-Clause)	BSD or BSD-like
nginx-filesystem 1.16.1 (BSD-2-Clause)	BSD or BSD-like
nginx-mod-http-image-filter 1.16.1 (BSD-2-Clause)	BSD or BSD-like
nginx-mod-http-perl 1.16.1 (BSD-2-Clause)	BSD or BSD-like
nginx-mod-http-xslt-filter 1.16.1 (BSD-2-Clause)	BSD or BSD-like
nginx-mod-mail 1.16.1 (BSD-2-Clause)	BSD or BSD-like
nginx-mod-stream 1.16.1 (BSD-2-Clause)	BSD or BSD-like
olefile 0.44 (BSD)	BSD or BSD-like
openapi-codec 1.3.2 (BSD)	BSD or BSD-like
openjpeg2-2.3.1(BSD-2-Clause-FreeBSD)	BSD or BSD-like
openssh 7.4p1 (OpenSSH License)	BSD or BSD-like
p11-kit 0.18.5 (BSD)	BSD or BSD-like

Name	License Type
p11-kit-trust 0.18.5 (BSD)	BSD or BSD-like
pam 1.1.1 (BSD)	BSD or BSD-like
pcre 7.8 (BSD)	BSD or BSD-like
php-7.3.19(BSD)	BSD or BSD-like
PostgreSQL JDBC Driver 9.2-1003-jdbc4 (BSD)	BSD or BSD-like
protobuf 3.1.0 (BSD)	BSD or BSD-like
protobuf-java 2.3.0 (BSD-3)	BSD or BSD-like
protobuf-java 2.4.1 (BSD-3)	BSD or BSD-like
protobuf-java 2.6.1 (BSD)	BSD or BSD-like
psutil 5.0.1 (BSD)	BSD or BSD-like
psutil-5.7.2(BSD)	BSD or BSD-like
pyasn1 0.2.2 (BSD)	BSD or BSD-like
pycparser 2.17 (BSD)	BSD or BSD-like
pyrpm 0.3 (BSD)	BSD or BSD-like
python-psutils 3.1.1 (BSD)	BSD or BSD-like
python-reportlab 2.6 (BSD)	BSD or BSD-like
python-rfoo 1.3.0 (BSD)	BSD or BSD-like
redhat-logos 60.0.14 (BSD)	BSD or BSD-like
repoze.who 2.3 (BSD)	BSD or BSD-like
shadow-utils 4.1.5.1 (BSD)	BSD or BSD-like
sphinx 1.1.2 (BSD)	BSD or BSD-like
sqlparse 0.2.4 (BSD)	BSD or BSD-like
tcp_wrappers-libs 7.6 (BSD)	BSD or BSD-like
telnet 0.17 (BSD)	BSD or BSD-like
unzip 6.0 (BSD)	BSD or BSD-like
uritemplate 3.0.0 (BSD)	BSD or BSD-like
ustr 1.0.4 (BSD)	BSD or BSD-like
xpp3_min 1.1.4c (BSD)	BSD or BSD-like
zip 3.0 (BSD)	BSD or BSD-like
boost 1.66.0 (BSL-1.0)	BSL-1.0
bzip2 1.0.6 (bzip2 License)	bzip2 License
jta 1.1 (CDDL-1.0)	CDDL-1.0
junit 4.11 (CPL 1.0)	CPL-1.0

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jsr166y 1.7.0 (Public Domain)	Creative Commons CC0 1.0 Universal Public Domain Dedication
dom4j 1.6.1 (DOM4J License)	dom4j License
aspectJrt 1.6.10 (EPL 1.0)	EPL-1.0
aspectJweaver 1.6.10 (EPL 1.0)	EPL-1.0
h2 1.3.164 (EPL 1.0)	EPL-1.0
hibernate-jpa-2.0-api 1.0.1 (EPL v1.0)	EPL-1.0
logback-classic 1.2.3 (EPL-1.0)	EPL-1.0
logback-core 1.2.3 (EPL-1.0)	EPL-1.0
waffle-jna 1.6 (EPL-1.0)	EPL-1.0
waffle-shiro 1.6 (EPL-1.0)	EPL-1.0
ghostscript 9.25 (GNU Affero General Public License v1.0 or Other/Proprietary or GPL-3.0 or Public Domain or GPL-2.0)	GNU AGPL-3.0
acl 2.2.49 (GPL-2.0)	GPL-2.0
alsa-firmware 1.0.28 (GNU GPL-2.0)	GPL-2.0
chkconfig 1.3.49.5 (GPL-2.0)	GPL-2.0
cryptsetup 2.0.3 (GNU GPL-2.0)	GPL-2.0
cryptsetup-reencrypt-2.0.3(GPL-2.0+)	GPL-2.0
dbus-libs 1.2.24 (GPL-2.0+)	GPL-2.0
diffutils 2.8.1 (GPL v2.0+)	GPL-2.0
e2fsprogs 1.41.12 (GPL-2.0)	GPL-2.0
e2fsprogs-libs 1.41.12 (GPL-2.0 w/exceptions)	GPL-2.0
ethtool 3.5 (GPL-2.0)	GPL-2.0
gdbm 1.8.0 (GPL-2.0+)	GPL-2.0
groff 1.18.1.4 (GPL v2.0)	GPL-2.0
gzip 1.3.12 (GPL v2.0)	GPL-2.0
hwdata 0.233 (GPL-2.0+)	GPL-2.0
initscripts 9.03.61 (GPL-2.0)	GPL-2.0
iproute2 3.19.0 (GPL-2.0)	GPL-2.0
iputils 20071127 (GPL-2.0)	GPL-2.0
libnih 1.0.1 (GPL v2.0)	GPL-2.0
logrotate 3.7.8 (GPL-2)	GPL-2.0
make 3.81 (GPL-2.0+)	GPL-2.0

Name	License Type
MAKEDEV 3.24 (GPL v2.0)	GPL-2.0
maxmind-geoipupdate-2.5(GPL-2.0)	GPL-2.0
mdadm 3.3.4 (GPL-2.0+)	GPL-2.0
mingetty 1.08 (GPL v2.0+)	GPL-2.0
module-init-tools 3.9 (GPL-2.0+)	GPL-2.0
net-tools 1.60 (GPL-2)	GPL-2.0
ntlmmaps 1.0.962.bcentos6 (GPL-2.0)	GPL-2.0
patch 2.6 (GPL v2.0+)	GPL-2.0
pinentry 0.7.6 (GPL-2.0+)	GPL-2.0
pkgconfig 0.23 (GPL v2.0+)	GPL-2.0
plymouth 0.8.3 (GPL v2.0+)	GPL-2.0
plymouth-core-libs 0.8.3 (GPL v2.0+)	GPL-2.0
plymouth-scripts 0.8.3 (GPL v2.0+)	GPL-2.0
psmisc 22.6 (GPL v2.0+)	GPL-2.0
redhat-rpm-config 9.0.3 (GPL v2.0)	GPL-2.0
rpm 4.8.0 (GPL-2.0+)	GPL-2.0
rpm-build 4.8.0 (GPL-2.0+)	GPL-2.0
rpm-python 4.8.0 (GPL-2.0+)	GPL-2.0
rpmrebuild 2.11 (GNU GPL-2.0)	GPL-2.0
sed 4.2.1 (GPL v2.0+)	GPL-2.0
shared-mime-info 0.70 (GPL v2.0+)	GPL-2.0
sshpass 1.06 (GNU GPL-2.0)	GPL-2.0
sysvinit-tools 2.87 (GPL-2.0+)	GPL-2.0
udev 147 (GPL-2.0)	GPL-2.0
upstart 0.6.5 (GPL-2.0)	GPL-2.0
util-linux-ng 2.17.2 (GPL-2.0)	GPL-2.0
yum 3.2.29 (GPL-2.0+)	GPL-2.0
yum-metadata-parser 1.1.2 (GPL v2.0)	GPL-2.0
yum-plugin-fastestmirror 1.1.30 (GPL-2.0+)	GPL-2.0
java-1.7.0-openjdk-1.7.0.251(GNU General Public License v2.0 with Classpath Exception (Oracle))	GPL-2.0 w/CE
java-1.7.0-openjdk-devel-1.7.0.251(GNU General Public License v2.0 with Classpath Exception (Oracle))	GPL-2.0 w/CE
java-1.7.0-openjdk-headless-1.7.0.251(GNU General Public License v2.0 with Classpath Exception (Oracle))	GPL-2.0 w/CE

Name	License Type
bash 4.1.2 (GPL-3.0+)	GPL-3.0
bash 4.2.46 (GPL-3.0+)	GPL-3.0
binutils 2.20.51.0.2 (GPL-3.0+)	GPL-3.0
coreutils 8.4 (GPL-3.0)	GPL-3.0
coreutils-libs 8.4 (GPL-3.0)	GPL-3.0
cpio 2.10 (GPL v3.0+)	GPL-3.0
findutils 4.4.2 (GPL-3.0+)	GPL-3.0
gawk 3.1.7 (GPL-3.0+)	GPL-3.0
gnupg2 2.0.14 (GPL v3.0+)	GPL-3.0
grep 2.20 (GPL-3.0+)	GPL-3.0
info 4.13a (GPL v3.0+)	GPL-3.0
less 436 (GPL v3.0)	GPL-3.0
libstdc++ 4.4.7 (LGPL-3)	GPL-3.0
m4 1.4.13 (GPL v3.0+)	GPL-3.0
readline 6.0 (GPL v3.0+)	GPL-3.0
rsyslog-gnutls 5.8.10 (GPL-3)	GPL-3.0
samba 4.7.5 (GPL v3.0)	GPL-3.0
tar 1.23 (GPL-3.0+)	GPL-3.0
libgcc 4.4.7 (LGPL-2.1)	GPL-3.0 w/GCC-exception
icu4c 57.1.0 (ICU License)	ICU
rimraf 2.7.1 (ISC License)	ISC
semver 5.7.1 (ISC License (ISC))	ISC
sudo 1.8.6p3 (ISC License (ISC))	ISC
jasper-libs 1.900.1 (JasPer)	JasPer-2.0
alsa-lib 1.1.8 (LGPL-2.0)	LGPL-2.0
atk 2.28.1 (LGPL-2.0)	LGPL-2.0
audit-libs 2.4.5 (LGPL-2.0+)	LGPL-2.0
augeas 1.0.0 (LGPL-2.0+)	LGPL-2.0
augeas-libs 1.0.0 (LGPL-2.0)	LGPL-2.0
gamin 0.1.10 (LGPL v2.0)	LGPL-2.0
gconf2 3.2.6 (LGPL-2.0)	LGPL-2.0
gdb 7.6.1 (LGPL-2.0)	LGPL-2.0
glib2 2.28.8 (LGPL-2.0+)	LGPL-2.0

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glibc 2.12 (LGPL-2.0)	LGPL-2.0
glibc-common 2.12 (LGPL-2)	LGPL-2.0
gnutls 2.12.23 (LGPL-2.0)	LGPL-2.0
gpgme 1.1.8 (LGPL v2.0+)	LGPL-2.0
keyutils-libs 1.4 (LGPL v2.0+)	LGPL-2.0
libacl 2.2.49 (LGPL v2.0+)	LGPL-2.0
libasyncns 0.8 (LGPL v2.0+)	LGPL-2.0
libattr 2.4.44 (LGPL v2.0+)	LGPL-2.0
libblkid 2.17.2 (LGPL-2.0+)	LGPL-2.0
libgcrypt 1.4.5 (LGPL-2.0+)	LGPL-2.0
libgpg-error 1.7 (LGPL v2.0+)	LGPL-2.0
libidn 1.18 (LGPL v2.0)	LGPL-2.0
libnl 1.1.4 (LGPL v2.0)	LGPL-2.0
libsemanage 2.0.43 (LGPL-2.0+)	LGPL-2.0
libsepol 2.0.41 (LGPL v2.0+)	LGPL-2.0
libtasn1 2.3 (LGPL v2.0+)	LGPL-2.0
libusb 0.1.12 (LGPL v2.0+)	LGPL-2.0
libutempter 1.1.5 (LGPL v2.0)	LGPL-2.0
procps 3.2.8 (LGPL-2.0+)	LGPL-2.0
pth 2.0.7 (LGPL v2.0+)	LGPL-2.0
pygpgme 0.1 (LGPL v2.0+)	LGPL-2.0
python-urlgrabber 3.9.1 (LGPL-2.0+)	LGPL-2.0
xz 4.999.9 (LGPL v2.0+)	LGPL-2.0
xz-libs 4.999.9 (LGPL v2.0+)	LGPL-2.0
xz-lzma-compat 4.999.9 (LGPL v2.0+)	LGPL-2.0
cracklib 2.8.16 (LGPL v2.1+)	LGPL-2.1
cracklib-dicts 2.8.16 (LGPL v2.1+)	LGPL-2.1
geoip 1.5.0 (LGPL-2.1)	LGPL-2.1
hibernate-commons-annotations 3.2.0.Final (LGPL v2.1)	LGPL-2.1
hibernate-core 3.6.10 (LGPL v2.1)	LGPL-2.1
hibernate-ehcache 3.6.10 (LGPL v2.1)	LGPL-2.1
jna 3.5.0 (LGPL v2.1)	LGPL-2.1
paramiko 2.4.2 (LGPL-2.1)	LGPL-2.1

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platform 3.5.0 (LGPL 2.1)	LGPL-2.1
rpm-libs 4.8.0 (LGPL-2.1)	LGPL-2.1
elfutils 0.164 (LGPL-3)	LGPL-3.0
elfutils-libelf 0.164 (LGPLv3)	LGPL-3.0
elfutils-libs 0.164 (LGPLv3)	LGPL-3.0
gmp 4.3.1 (LGPLv3+)	LGPL-3.0
libgomp 4.4.7 (LGPL-3.0)	LGPL-3.0
psycopg2 2.6.2 (LGPL-3.0)	LGPL-3.0
utils 0.9.0 (LGPL-3.0)	LGPL-3.0
ajv 6.10.2 (MIT)	MIT
angular 1.7.5 (MIT)	MIT
angular-animate 1.7.5 (MIT)	MIT
angular-bootstrap 2.5.0 (MIT)	MIT
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slf4j-api 1.7.26 (MIT)	MIT
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WebOb 1.7.2 (MIT)	MIT
cairo 1.15.12 (MPL-1.1)	MPL-1.1
bind-libs 9.11.4 (MPL-2.0)	MPL-2.0
bind-utils 9.11.4 (MPL-2.0)	MPL-2.0
nspr 4.19.0 (MPLv2.0)	MPL-2.0
nss 3.36.0 (MPLv2.0)	MPL-2.0
nss-softokn 3.14.3 (MPLv2.0)	MPL-2.0
nss-softokn-freebl 3.14.3 (MPLv2.0)	MPL-2.0
nss-sysinit 3.36.0 (MPLv2.0)	MPL-2.0
nss-tools 3.36.0 (MPLv2.0)	MPL-2.0
nss-util 3.36.0 (MPLv2.0)	MPL-2.0
openldap 2.4.40 (OpenLDAP)	OLDAP-2.5
openldap 2.4.44 (OpenLDAP)	OLDAP-2.8
openssl 1.0.1e (OpenSSL)	OpenSSL
openssl 1.0.2s (OpenSSL)	OpenSSL
openssl fips-2.0.16 (OpenSSL License)	OpenSSL
openssl fips-2.0.5 (OpenSSL License)	OpenSSL
openssl098e 0.9.8e (OpenSSL)	OpenSSL
nmap 6.40.tw1.bcentos6 (Commercial NMAP License)	Other/Commercial

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setup 2.8.71 (Public Domain)	Public Domain
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python-libs 2.6.6 (Python License)	Python License

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typing 3.5.3.0 (Python License)	Python License
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db4-utils 4.7.25 (Sleepycat)	Sleepycat
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vim-minimal 7.4.629 (Vim)	Vim
zlib 1.2.3 (zlib License)	Zlib
zope.interface 4.3.3 (Zope License)	ZPL-2.1

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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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```
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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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```

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```
* 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
```

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From strings/apr_sprintf.c:

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

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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.

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

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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.
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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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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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(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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Theodore Ts'o
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Theodore Ts'o
23-June-2007

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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 a program 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.

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.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

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.

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

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

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

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

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

- 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:

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END OF TERMS AND CONDITIONS

Appendix: 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.

```
<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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modify it under the terms of the GNU Library General Public  
License as published by the Free Software Foundation; either  
version 2 of the License, or (at your option) any later version.
```

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but WITHOUT ANY WARRANTY; without even the implied warranty of  
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```

```
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```

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

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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!

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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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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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- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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

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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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- 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.)
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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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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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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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- 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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Version 3, 19 November 2007

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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(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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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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The following artifacts are EPL.

* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.

* org.eclipse.jetty.orbit:javafx.security.auth.message

The following artifacts are EPL and CDDL 1.0.

* org.eclipse.jetty.orbit:javafx.mail.glassfish

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.

<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

* javax.servlet:javax.servlet-api

* javax.annotation:javax.annotation-api

* javax.transaction:javax.transaction-api

* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
<http://openjdk.java.net/legal/gplv2+ce.html>

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of <http://asm.ow2.org/license.html>

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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<https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html>

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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

```

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(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.)

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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

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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

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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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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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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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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

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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.

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.

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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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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 and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1

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

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- 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.

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

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

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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.

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derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

6. As an exception to the Sections above, you may also 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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- 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:

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maxmind-geoipupdate-2.5 (GPL-2.0)

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
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type `show w'. This is free software, and you are welcome
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```

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```
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(which makes passes at compilers) written
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```

```
signature of Ty Coon, 1 April 1989
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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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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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(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,

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

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

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

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