

Connect 4.1.0 - Use of Third-Party Libraries

Name	Selected License
apache-el 8.5.49 (Apache-2.0)	Apache License 2.0
apr 1.4.8 (Apache v2.0)	Apache License 2.0
apr-util 1.5.2 (Apache v2.0)	Apache License 2.0
awaitility 1.7.0 (Apache-2.0)	Apache License 2.0
bcrypt 3.1.4 (Apache-2.0)	Apache License 2.0
cglib 2.2.1-v20090111 (Apache 2.0)	Apache License 2.0
cglib-nodep 3.1 (ASF 2.0)	Apache License 2.0
classmate 1.3.4 (Apache-2.0)	Apache License 2.0
commons-codec 1.6 (Apache 2.0)	Apache License 2.0
commons-codec 1.9 (Apache-2.0)	Apache License 2.0
commons-codec 1.9.0 (Apache-2.0)	Apache License 2.0
commons-io 2.6 (Apache-2.0)	Apache License 2.0
commons-lang 2.4 (Apache 2.0)	Apache License 2.0
commons-lang 2.6 (Apache 2.0)	Apache License 2.0
commons-lang 2.6 (Apache-2.0)	Apache License 2.0
commons-logging 1.2 (Apache-2.0)	Apache License 2.0
cryptography 1.7.1 (Apache v2.0)	Apache License 2.0
cryptography 2.3.1 (Apache v2.0)	Apache License 2.0
cryptography 2.9 (Apache v2.0)	Apache License 2.0
dulwich 0.19.11 (Apache v2.0)	Apache License 2.0
edn_format 0.5.9 (Apache v2.0)	Apache License 2.0
elasticsearch 5.2.0 (Apache v2.0)	Apache License 2.0
elasticsearch-oss 6.4.2 (Apache v2.0)	Apache License 2.0
equalsverifier 1.7.5 (Apache-2.0)	Apache License 2.0
error_prone_annotations 2.3.2 (Apache-2.0)	Apache License 2.0
failureaccess 1.0.1 (Apache-2.0)	Apache License 2.0
geronimo-j2ee-management_1.1_spec 1.0.1 (Apache-2.0)	Apache License 2.0
geronimo-jms_1.1_spec 1.1.1 (Apache-2.0)	Apache License 2.0
guava 18.0 (Apache-2.0)	Apache License 2.0
guava 28.1-jre (Apache-2.0)	Apache License 2.0
guice 3.0 (Apache-2.0)	Apache License 2.0
guice 4.1.0 (Apache-2.0)	Apache License 2.0
guice-multibindings 4.1.0 (Apache-2.0)	Apache License 2.0
hibernate-validator 6.0.18.Final (Apache-2.0)	Apache License 2.0
httpasyncclient 4.1.1 (Apache-2.0)	Apache License 2.0

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httpClient 4.5.2 (Apache-2.0)	Apache License 2.0
httpClient 4.5.3 (Apache-2.0)	Apache License 2.0
httpcore 4.4.4 (Apache-2.0)	Apache License 2.0
httpcore 4.4.6 (Apache-2.0)	Apache License 2.0
httpcore-nio 4.4.4 (Apache-2.0)	Apache License 2.0
httpd 2.4.6 (Apache-2.0)	Apache License 2.0
httpd-tools 2.4.6 (Apache-2.0)	Apache License 2.0
httpmime 4.5.2 (Apache-2.0)	Apache License 2.0
j2objc-annotations 1.3 (Apache-2.0)	Apache License 2.0
jackson-annotations 2.11.0 (Apache-2.0)	Apache License 2.0
jackson-core 2.11.0 (Apache-2.0)	Apache License 2.0
jackson-core 2.9.5 (Apache-2.0)	Apache License 2.0
jackson-databind 2.11.0 (Apache-2.0)	Apache License 2.0
jackson-datatype-jdk8 2.10.3 (Apache-2.0)	Apache License 2.0
jackson-datatype-jsr310 2.10.3 (Apache-2.0)	Apache License 2.0
jackson-module-parameter-names 2.10.3 (Apache-2.0)	Apache License 2.0
jakarta.validation-api 2.0.2 (Apache-2.0)	Apache License 2.0
javax-websocket-client-impl 9.4.27 (Apache-2.0)	Apache License 2.0
javax-websocket-server-impl 9.4.27 (Apache-2.0)	Apache License 2.0
javax.inject 1 (Apache 2.0)	Apache License 2.0
jboss-logging 3.3.2 (Apache-2.0)	Apache License 2.0
jetty-annotations 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-client 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-continuation 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-http 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-io 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-plus 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-runner 9.2.7 (Apache-2.0)	Apache License 2.0
jetty-security 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-server 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-servlet 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-servlets 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-util 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-webapp 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jetty-xml 9.4.27.v20200227 (Apache-2.0)	Apache License 2.0
jna 4.2.0 (Apache 2.0)	Apache License 2.0
jsr305 3.0.2 (Apache-2.0)	Apache License 2.0
kafka 2.3.0 (Apache v2.0)	Apache License 2.0
kazoo 2.2.1 (Apache-2.0)	Apache License 2.0

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kazoo 2.5.0 (Apache 2.0)	Apache License 2.0
kazoo 2.6.0 (Apache 2.0)	Apache License 2.0
kibana-oss 6.4.2 (Apache v2.0)	Apache License 2.0
liquibase-core 2.0.3 (Apache 2.0)	Apache License 2.0
liquibase-core 3.5.3 (Apache-2.0)	Apache License 2.0
listenablefuture 9999.0-empty-to-avoid-conflict-with-guava (Apache v2.0)	Apache License 2.0
log4j 1.2.17 (Apache 2.0)	Apache License 2.0
log4j 2.3 (Apache-2.0)	Apache License 2.0
log4j-api 2.12.1 (Apache-2.0)	Apache License 2.0
log4j-to-slf4j 2.12.1 (Apache-2.0)	Apache License 2.0
micrometer-core 1.3.6 (Apache-2.0)	Apache License 2.0
mod_ssl 2.4.6 (Apache 2.0)	Apache License 2.0
mod_wsgi 3.5 (Apache-2.0)	Apache License 2.0
objenesis 2.1 (Apache-2.0)	Apache License 2.0
pbr 1.8.0 (Apache 2.0)	Apache License 2.0
pyOpenSSL 0.13.1 (Apache v2.0)	Apache License 2.0
pykafka 2.8.0 (Apache v2.0)	Apache License 2.0
pynacl 1.3.0 (Apache v2.0)	Apache License 2.0
python-ipaddr 2.1.11 (Apache-2.0)	Apache License 2.0
python2-cryptography 1.7.2 (Apache-2.0)	Apache License 2.0
requests 2.21.0 (Apache v2.0)	Apache License 2.0
responses 0.9.0 (Apache v2.0)	Apache License 2.0
rsyslog 8.24.0 (Apache v2.0)	Apache License 2.0
rsyslog-mmjsonparse 8.24.0 (Apache v2.0)	Apache License 2.0
snakeyaml 1.25 (Apache-2.0)	Apache License 2.0
splunk-kafka-connect v1.1.0 (Apache v2.0)	Apache License 2.0
splunk-sdk 1.6.5 (Apache v2.0)	Apache License 2.0
splunk-sdk 1.6.6 (Apache v2.0)	Apache License 2.0
spring-aop 5.2.5.RELEASE (Apache-2.0)	Apache License 2.0
spring-beans 5.2.5.RELEASE (Apache-2.0)	Apache License 2.0
spring-boot 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-actuator 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-actuator-autoconfigure 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-autoconfigure 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-loader 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-starter 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-starter-actuator 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-starter-jetty 2.2.6 (Apache-2.0)	Apache License 2.0

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spring-boot-starter-json 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-starter-logging 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-starter-validation 2.2.6 (Apache-2.0)	Apache License 2.0
spring-boot-starter-web 2.2.6 (Apache-2.0)	Apache License 2.0
spring-context 5.2.5.RELEASE (Apache-2.0)	Apache License 2.0
spring-core 5.2.5.RELEASE (Apache-2.0)	Apache License 2.0
spring-expression 5.2.5.RELEASE (Apache-2.0)	Apache License 2.0
spring-jcl 5.2.5.RELEASE (Apache-2.0)	Apache License 2.0
spring-web 5.2.5.RELEASE (Apache-2.0)	Apache License 2.0
spring-webmvc 5.2.5.RELEASE (Apache-2.0)	Apache License 2.0
swagger-codegen 2.2.1 (Apache-2.0)	Apache License 2.0
swagger-ui 2.2.10 (Apache v2.0)	Apache License 2.0
websocket-api 9.4.27.v20200227 (Apache v2.0)	Apache License 2.0
websocket-client 9.4.27.v20200227 (Apache v2.0)	Apache License 2.0
websocket-common 9.4.27.v20200227 (Apache v2.0)	Apache License 2.0
websocket-server 9.4.27.v20200227 (Apache v2.0)	Apache License 2.0
websocket-servlet 9.4.27.v20200227 (Apache v2.0)	Apache License 2.0
xml-apis 1.3.04 (Apache 2.0)	Apache License 2.0
zookeeper 3.4.10 (Apache-2.0)	Apache License 2.0
cjkuni-uming-fonts 0.2.20080216.1 (Arphic Public License)	Arphic Public License
postgresql 42.2.8 (BSD-2-Clause)	BSD 2-clause "Simplified" or "FreeBSD" License
sampledata 0.3.7 (BSD)	BSD 2-clause "Simplified" or "FreeBSD" License
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asm-commons 7.2 (BSD-3-Clause)	BSD 3-clause "New" or "Revised" License
asm-tree 7.2 (BSD-3-Clause)	BSD 3-clause "New" or "Revised" License
djangorestframework 3.6.3 (BSD)	BSD 3-clause "New" or "Revised" License
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hamcrest-integration 1.3 (BSD-2)	BSD 3-clause "New" or "Revised" License
hamcrest-library 1.3 (BSD-3-Clause)	BSD 3-clause "New" or "Revised" License
idna 2.6 (BSD)	BSD 3-clause "New" or "Revised" License
idna 2.7 (BSD)	BSD 3-clause "New" or "Revised" License
joi-full 10.0.6-rel3 (BSD-3-Clause)	BSD 3-clause "New" or "Revised" License
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pyasn1 0.1.9 (BSD-3-Clause)	BSD 3-clause "New" or "Revised" License

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python-dateutil 2.8.0 (BSD)	BSD 3-clause "New" or "Revised" License
python2-pyasn1 0.1.9 (BSD)	BSD 3-clause "New" or "Revised" License
rrule 2.5.6 (BSD)	BSD 3-clause "New" or "Revised" License
scikit-learn 0.20.3 (BSD)	BSD 3-clause "New" or "Revised" License
excludedoclet.java 1.1 (BSD)	BSD Style/Attribution
jsr-305 1.3.9 (BSD-3)	BSD Style/Attribution
m2crypto 0.21.1 (BSD)	BSD Style/Attribution
aiopg 0.14.0 (BSD)	BSD-Style License
blas 3.4.2 (BSD)	BSD-Style License
bzip2 1.0.6 (BSD)	BSD-Style License
bzip2-libs 1.0.6 (BSD)	BSD-Style License
click 6.6 (BSD)	BSD-Style License
click 6.7 (BSD)	BSD-Style License
copy-jdk-configs 1.2 (MIT)	BSD-Style License
copy-jdk-configs 2.2 (BSD)	BSD-Style License
cronie 1.4.11 (BSD)	BSD-Style License
cronie-anacron 1.4.11 (BSD)	BSD-Style License
cyrus-sasl-lib 2.1.26 (BSD)	BSD-Style License
deltarpm 3.6 (BSD)	BSD-Style License
django 1.11.17 (BSD)	BSD-Style License
enum34 1.1.6 (BSD)	BSD-Style License
file 5.11 (BSD)	BSD-Style License
file-libs 5.11 (BSD)	BSD-Style License
fipscheck 1.4.1 (BSD)	BSD-Style License
fipscheck-lib 1.4.1 (BSD)	BSD-Style License
javapackages-tools 3.4.1 (BSD)	BSD-Style License
jinja2 2.10 (BSD)	BSD-Style License
jinja2 2.10.1 (BSD)	BSD-Style License
lapack 3.4.2 (BSD)	BSD-Style License
libcap 2.22 (BSD-3)	BSD-Style License
libdb 5.3.21 (BSD)	BSD-Style License
libdb-utils 5.3.21 (BSD)	BSD-Style License
libdnet 1.12 (BSD)	BSD-Style License
libedit 3.0 (BSD)	BSD-Style License
libev 4.15 (BSD)	BSD-Style License
libevent 2.0.21 (BSD)	BSD-Style License
libpwquality 1.2.3 (BSD)	BSD-Style License
librdkafka 0.9.5 (BSD)	BSD-Style License
libssh2 1.4.3 (BSD)	BSD-Style License

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libuuid 2.23.2 (BSD)	BSD-Style License
markupsafe 1.0 (BSD)	BSD-Style License
ntp 4.2.6p5 (BSD)	BSD-Style License
ntpd 4.2.6p5 (BSD)	BSD-Style License
numpy 1.16.2 (BSD)	BSD-Style License
openssh-clients 7.4p1 (OpenSSH License)	BSD-Style License
openssh-server 7.4p1 (OpenSSH License)	BSD-Style License
p11-kit 0.20.7 (BSD)	BSD-Style License
p11-kit 0.23.5 (BSD)	BSD-Style License
p11-kit-trust 0.20.7 (BSD)	BSD-Style License
p11-kit-trust 0.23.5 (BSD)	BSD-Style License
pandas 0.24.2 (BSD)	BSD-Style License
passwd 0.79 (BSD)	BSD-Style License
pcre 8.32 (BSD)	BSD-Style License
ply 3.6 (BSD)	BSD-Style License
postgresql 9.4-1204-jdbc41 (BSD)	BSD-Style License
postgresql-libs 9.2.24 (PostgreSQL)	BSD-Style License
protobuf-java 2.6.1 (BSD)	BSD-Style License
pyasn1 0.4.2 (BSD-3)	BSD-Style License
pycparser 2.19 (BSD)	BSD-Style License
python-configobj 4.7.2 (BSD)	BSD-Style License
python-decorator 3.4.0 (BSD)	BSD-Style License
python-deltarpm 3.6 (BSD)	BSD-Style License
python-enum34 1.0.4 (BSD)	BSD-Style License
python-javapackages 3.4.1 (BSD)	BSD-Style License
python-lxml 3.2.1 (BSD)	BSD-Style License
python-ply 3.4 (BSD)	BSD-Style License
python-pycparser 2.14 (BSD)	BSD-Style License
python-snappy 0.5.3 (BSD)	BSD-Style License
scipy 1.2.1 (BSD)	BSD-Style License
sg3_utils 1.37 (BSD)	BSD-Style License
shadow-utils 4.1.5.1 (BSD)	BSD-Style License
snappy 1.1.0 (BSD)	BSD-Style License
sphinx 1.2 (BSD)	BSD-Style License
sudo 1.8.23 (BSD)	BSD-Style License
tcp_wrappers-libs 7.6 (BSD)	BSD-Style License
telnet 0.17 (BSD)	BSD-Style License
trousers 0.3.14 (BSD)	BSD-Style License
unzip 6.0 (BSD)	BSD-Style License
ustr 1.0.4 (BSD)	BSD-Style License

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wpa_suppliant 2.6 (BSD)	BSD-Style License
zip 3.0 (BSD)	BSD-Style License
javax.servlet-api 3.1.0 (CDDL 1.0)	Common Development and Distribution License 1.0
javax.servlet-api 3.1.0 (CDDL 1.0)	Common Development and Distribution License 1.0
Code references to stack_overflow article 151690 (CC-by-SA 2.5)	Creative Commons Attribution Share Alike 2.5
Code references to stack_overflow article 115974 (CC-by-SA 3.0)	Creative Commons Attribution Share Alike 3.0
Code references to stack_overflow article 1438908 (CC-by-SA 3.0)	Creative Commons Attribution Share Alike 3.0
Code references to stack_overflow article 21280332 (CC-by-SA 3.0)	Creative Commons Attribution Share Alike 3.0
Code references to stack_overflow article 3171310 (CC-by-SA 3.0)	Creative Commons Attribution Share Alike 3.0
Code references to stack_overflow article 4987327 (CC-by-SA 3.0)	Creative Commons Attribution Share Alike 3.0
hdrhistogram 2.1.11 (Public Domain)	Creative Commons CC0 1.0 Universal Public Domain Dedication
latencyutils 2.0.3 (Public Domain)	Creative Commons CC0 1.0 Universal Public Domain Dedication
birt.controls.lib 2.5.2.1 (EPL 1.0)	Eclipse Public License 1.0
clojure 1.7.0 (EPL-1.0)	Eclipse Public License 1.0
logback-classic 0.9.24 (EPL 1.0)	Eclipse Public License 1.0
logback-classic 1.2.3 (EPL-1.0)	Eclipse Public License 1.0
logback-core 0.9.24 (EPL 1.0)	Eclipse Public License 1.0
logback-core 1.2.3 (EPL-1.0)	Eclipse Public License 1.0
jakarta.annotation-api 1.3.5 (EPL-2.0)	Eclipse Public License 2.0
jakarta.servlet-api 4.0.3 (EPL-2.0)	Eclipse Public License 2.0
jakarta.websocket-api 1.1.2 (EPL-2.0)	Eclipse Public License 2.0
pyyaml 3.13 (MIT)	Expat License
freetype 2.4.11 (FTL)	FreeType License
btrfs-progs 4.9.1 (GPL-2.0)	GNU General Public License v2.0
centos-release 7 (GPL-2.0)	GNU General Public License v2.0
checkpolicy 2.5 (GPL-2.0)	GNU General Public License v2.0
chkconfig 1.7.2 (GPL-2.0)	GNU General Public License v2.0
chkconfig 1.7.4 (GPL-2.0)	GNU General Public License v2.0
createrepo 0.9.9 (GPL-2.0)	GNU General Public License v2.0
device-mapper 1.02.135 (GPL-2.0)	GNU General Public License v2.0
device-mapper 1.02.140 (GPL-2.0)	GNU General Public License v2.0
e2fsprogs 1.42.9 (GPL-2.0)	GNU General Public License v2.0

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ethtool 4.8 (GPL-2.0)	GNU General Public License v2.0
gpm-libs 1.20.7 (GPL v2.0)	GNU General Public License v2.0
htop 2.2.0 (GPL-2.0/w PLPA Exception)	GNU General Public License v2.0
hyperv-daemons 0 (GPL-2.0)	GNU General Public License v2.0
hyperv-daemons-license 0 (GPL-2.0)	GNU General Public License v2.0
hypervfcopyd 0 (GPL-2.0)	GNU General Public License v2.0
hypervkvpd 0 (GPL-2.0)	GNU General Public License v2.0
hypervvssd 0 (GPL-2.0)	GNU General Public License v2.0
initscripts 9.49.39 (GPL-2.0)	GNU General Public License v2.0
iptables 1.4.21 (GPL-2.0)	GNU General Public License v2.0
iptables-services 1.4.21 (GPL-2.0)	GNU General Public License v2.0
irqbalance 1.0.7 (GPL-2.0)	GNU General Public License v2.0
kernel 3.10.0 (GPL-2.0)	GNU General Public License v2.0
kernel-headers 3.10.0 (GPL-2.0)	GNU General Public License v2.0
kernel-tools 3.10.0 (GPL-2.0)	GNU General Public License v2.0
kernel-tools-libs 3.10.0 (GPL-2.0)	GNU General Public License v2.0
kpartx 0.4.9 (GPL-2)	GNU General Public License v2.0
libmspack 0.5 (LGPL-2.0)	GNU General Public License v2.0
linux-firmware 20190429 (GPL-2.0)	GNU General Public License v2.0
logrotate 3.8.6 (GPL-2)	GNU General Public License v2.0
lshw B.02.18 (GPL-2.0)	GNU General Public License v2.0
lvm2 2.02.185 (GPL-2.0)	GNU General Public License v2.0
mariadb-libs 5.5.64 (GPLv2)	GNU General Public License v2.0
open-vm-tools 10.3.0 (GPL-2.0)	GNU General Public License v2.0
os.x86_64 7.7 (GPL v2.0)	GNU General Public License v2.0
perl 5.16.3 (GPL v2.0)	GNU General Public License v2.0
perl-Pod-Escapes 1.04 (GP v2.0)	GNU General Public License v2.0
perl-libs 5.16.3 (GPL v2.0)	GNU General Public License v2.0
perl-macros 5.16.3 (GPL v2.0)	GNU General Public License v2.0
policycoreutils 2.5 (GPL-2.0)	GNU General Public License v2.0
policycoreutils-python 2.5 (GPL-2.0)	GNU General Public License v2.0
pygtail 0.10.0 (GPL 2.0)	GNU General Public License v2.0
pykickstart (GPL v2.0)	GNU General Public License v2.0
python-firewall 0.6.3 (GPL-2.0+)	GNU General Public License v2.0
python-linux-procfs 0.4.11 (GPL-2.0)	GNU General Public License v2.0
python-perf 3.10.0 (GPL-2.0)	GNU General Public License v2.0
python-schedutils 0.4 (GPL-2.0)	GNU General Public License v2.0
uwsgi 2.0.17.1 (GPLv2 with exceptions)	GNU General Public License v2.0
uwsgi-logger-systemd 2.0.17.1 (GPLv2 with exceptions)	GNU General Public License v2.0

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uwsgi-plugin-cheaper-busyness 2.0.17.1 (GPLv2 with exceptions)	GNU General Public License v2.0
uwsgi-plugin-common 2.0.17.1 (GPLv2 with exceptions)	GNU General Public License v2.0
uwsgi-plugin-python36u 2.0.17.1 (GPLv2 with exceptions)	GNU General Public License v2.0
yum-metadata-parser 1.1.4 (GPL v2.0)	GNU General Public License v2.0
NetworkManager 1.18.0 (GPL-2.0+)	GNU General Public License v2.0 or later
NetworkManager-libnm 1.18.0 (GPL-2.0+)	GNU General Public License v2.0 or later
NetworkManager-team 1.18.0 (GPL-2.0+)	GNU General Public License v2.0 or later
NetworkManager-tui 1.18.0 (GPL-2.0+)	GNU General Public License v2.0 or later
alsa-tools-firmware 1.1.0 (GPL-2.0+)	GNU General Public License v2.0 or later
dbus 1.10.24 (GPL-2.0+)	GNU General Public License v2.0 or later
dbus 1.6.12 (GPL-v2)	GNU General Public License v2.0 or later
dbus-glib 0.100 (GPL v2.0)	GNU General Public License v2.0 or later
dbus-libs 1.10.24 (GPL-2.0+)	GNU General Public License v2.0 or later
dbus-libs 1.6.12 (GPL-2.0+)	GNU General Public License v2.0 or later
dracut 033 (GPL-2.0)	GNU General Public License v2.0 or later
dracut-config-rescue 033 (GPL-2.0+)	GNU General Public License v2.0 or later
dracut-network 033 (GPL-2.0+)	GNU General Public License v2.0 or later
ebtables 2.0.10 (GPL-2.0+)	GNU General Public License v2.0 or later
fxload 2002_04_11 (GPL v2.0+)	GNU General Public License v2.0 or later
glibc-devel 2.17 (LGPL-2.0)	GNU General Public License v2.0 or later
glibc-headers 2.17 (LGPL-2.0)	GNU General Public License v2.0 or later
grubby 8.28 (GPL-2.0+)	GNU General Public License v2.0 or later
hardlink 1.0 (GPL-2)	GNU General Public License v2.0 or later
hostname 3.13 (GPL v2.0+)	GNU General Public License v2.0 or later
hwdata 0.252 (GPL-2.0+)	GNU General Public License v2.0 or later
iotop 0.6 (GPL v2.0+)	GNU General Public License v2.0 or later
iproute 3.10.0 (GPL-2.0+)	GNU General Public License v2.0 or later
iputils 20160308 (GPL-2.0+)	GNU General Public License v2.0 or later
kbd 1.15.5 (GPL-2.0+)	GNU General Public License v2.0 or later
kbd-legacy 1.15.5 (GPL-2.0+)	GNU General Public License v2.0 or later
kbd-misc 1.15.5 (GPL-2.0+)	GNU General Public License v2.0 or later
kmod 20 (GPL-2.0+)	GNU General Public License v2.0 or later
libblockfile 1.08 (GPL v2.0)	GNU General Public License v2.0 or later
libnetfilter_contrack 1.0.6 (GPL-2.0+)	GNU General Public License v2.0 or later
libnfnetlink 1.0.1 (GPL v2.0+)	GNU General Public License v2.0 or later
libreport-filessystem 2.1.11 (GPL-2.0+)	GNU General Public License v2.0 or later
lsscsi 0.27 (GPL-2.0+)	GNU General Public License v2.0 or later

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lyx-fonts 2.2.3 (Copyright only and GPL+)	GNU General Public License v2.0 or later
lzo 2.06 (GPL-2.0+)	GNU General Public License v2.0 or later
make 3.82 (GPL v2.0+)	GNU General Public License v2.0 or later
mdadm 4.1 (GPL-2.0+)	GNU General Public License v2.0 or later
net-tools 2.0 (GPL v2.0+)	GNU General Public License v2.0 or later
os-prober 1.58 (GPL-2.0)	GNU General Public License v2.0 or later
pam 1.1.8 (GPL-2.0+)	GNU General Public License v2.0 or later
pciutils 3.5.1 (GPL-2.0+)	GNU General Public License v2.0 or later
pciutils-libs 3.5.1 (GPL-2.0+)	GNU General Public License v2.0 or later
pinentry 0.8.1 (GPL v2.0+)	GNU General Public License v2.0 or later
pkgconfig 0.27.1 (GPL v2.0+)	GNU General Public License v2.0 or later
plymouth 0.8.9 (GPL-2.0+)	GNU General Public License v2.0 or later
plymouth-core-libs 0.8.9 (GPL-2.0+)	GNU General Public License v2.0 or later
plymouth-scripts 0.8.9 (GPL-2.0+)	GNU General Public License v2.0 or later
python-slip 0.4.0 (GPL v2.0+)	GNU General Public License v2.0 or later
python-slip-dbus 0.4.0 (GPL v2.0+)	GNU General Public License v2.0 or later
rpm 4.11.3 (LGPL-2.0+)	GNU General Public License v2.0 or later
rpm-python 4.11.3 (GPL-2.0+)	GNU General Public License v2.0 or later
selinux-policy 3.13.1 (GPL-2.0+)	GNU General Public License v2.0 or later
selinux-policy-targeted 3.13.1 (GPL-2.0+)	GNU General Public License v2.0 or later
shared-mime-info 1.1 (GPL-2.0+)	GNU General Public License v2.0 or later
shared-mime-info 1.8 (GPL-2.0+)	GNU General Public License v2.0 or later
slang 2.2.4 (GPL v2.0+)	GNU General Public License v2.0 or later
sysstat 10.1.5 (GPL-2.0+)	GNU General Public License v2.0 or later
sysvinit-tools 2.88 (GPL v2.0+)	GNU General Public License v2.0 or later
traceroute 2.0.22 (GPL-2.0+)	GNU General Public License v2.0 or later
tuned 2.11.0 (GPL-2.0+)	GNU General Public License v2.0 or later
util-linux 2.23.2 (GPL-2.0)	GNU General Public License v2.0 or later
virt-what 1.18 (GPL-2.0+)	GNU General Public License v2.0 or later
yum 3.4.3 (GPL-2.0+)	GNU General Public License v2.0 or later
yum-plugin-fastestmirror 1.1.31 (GPL-2.0+)	GNU General Public License v2.0 or later
java-1.8.0-openjdk 1.8.0.121 (GPLv2 w/CE)	GNU General Public License v2.0 or later with Classpath Exception
java-1.8.0-openjdk-devel 1.8.0.121 (GPL v2 w/CE)	GNU General Public License v2.0 or later with Classpath Exception
java-1.8.0-openjdk-headless 1.8.0.121 (GPL v2.0 w/CE)	GNU General Public License v2.0 or later with Classpath Exception
zulu 8.36.0.1 (GPLv2 w/CE)	GNU General Public License v2.0 or later with Classpath Exception
javax.annotation-api 1.2 (GPL v2.0 with CE)	GNU General Public License v2.0 with Classpath Exception

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which 2.20 (GPL v3.0)	GNU General Public License v3.0
autogen-libopts 5.18 (GPL-3)	GNU General Public License v3.0 or later
bash 4.2.46 (GPL-3.0+)	GNU General Public License v3.0 or later
binutils 2.25.1 (GPL-3.0+)	GNU General Public License v3.0 or later
binutils 2.27 (GPL-3.0+)	GNU General Public License v3.0 or later
coreutils 8.22 (GPL-3.0+)	GNU General Public License v3.0 or later
cpio 2.11 (GPL-3.0+)	GNU General Public License v3.0 or later
diffutils 3.3 (GPL v3.0+)	GNU General Public License v3.0 or later
emacs-common 24.3 (GPL-3.0+)	GNU General Public License v3.0 or later
emacs-filessystem 24.3 (GPL-3.0+)	GNU General Public License v3.0 or later
emacs-nox 24.3 (GPL-3.0+)	GNU General Public License v3.0 or later
findutils 4.5.11 (GPL-3.0+)	GNU General Public License v3.0 or later
gawk 4.0.2 (GPL-3)	GNU General Public License v3.0 or later
gdbm 1.10 (GPL v3.0+)	GNU General Public License v3.0 or later
gettext-libs 0.19.8.1 (GPL-3.0)	GNU General Public License v3.0 or later
gnupg2 2.0.22 (GPL v3.0+)	GNU General Public License v3.0 or later
grep 2.20 (GPL-3.0+)	GNU General Public License v3.0 or later
groff-base 1.22.2 (GPL v3.0+)	GNU General Public License v3.0 or later
grub2 2.02 (GPL-3.0+)	GNU General Public License v3.0 or later
grub2-common 2.02 (GPL-3.0+)	GNU General Public License v3.0 or later
grub2-pc 2.02 (GPL-3.0+)	GNU General Public License v3.0 or later
grub2-pc-modules 2.02 (GPL-3.0+)	GNU General Public License v3.0 or later
grub2-tools 2.02 (GPL-3.0+)	GNU General Public License v3.0 or later
grub2-tools-extra 2.02 (GPL-3.0+)	GNU General Public License v3.0 or later
grub2-tools-minimal 2.02 (GPL-3.0+)	GNU General Public License v3.0 or later
gzip 1.5 (GPL-3.0+)	GNU General Public License v3.0 or later
info 5.1 (GPL v3.0+)	GNU General Public License v3.0 or later
less 458 (GPL-3.0+)	GNU General Public License v3.0 or later
libidn 1.28 (GPL-3.0+)	GNU General Public License v3.0 or later
libpipeline 1.2.3 (GPL v3.0+)	GNU General Public License v3.0 or later
libtasn1 3.8 (LGPL v2.0+)	GNU General Public License v3.0 or later
man-db 2.6.3 (GPL-3)	GNU General Public License v3.0 or later
parted 3.1 (GPL-3.0+)	GNU General Public License v3.0 or later
psycopg2 2.7.6.1 (LGPL-3)	GNU General Public License v3.0 or later
readline 6.2 (GPL v3.0+)	GNU General Public License v3.0 or later
rsync 3.0.9 (GPL-3.0+)	GNU General Public License v3.0 or later
rsync 3.1.2 (GPL-3.0+)	GNU General Public License v3.0 or later
sed 4.2.2 (GPL v3.0+)	GNU General Public License v3.0 or later
tar 1.26 (GPL v3.0+)	GNU General Public License v3.0 or later

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libgcc 4.8.5 (GPL-3.0 w/GCC-exception)	GNU General Public License v3.0 w/GCC Runtime Library exception
libgfortran 4.8.5 (GPLv3 w/Runtime Library Exception)	GNU General Public License v3.0 w/GCC Runtime Library exception
libgomp 4.8.5 (GPL-3.0 w/GCC Exception)	GNU General Public License v3.0 w/GCC Runtime Library exception
bsh 2.0b4 (LGPL-2.1)	GNU Lesser General Public License v2.1
paramiko 2.4.1 (LGPL 2.1)	GNU Lesser General Public License v2.1
cracklib 2.9.0 (LGPL v2.1+)	GNU Lesser General Public License v2.1 or later
cracklib-dicts 2.9.0 (LGPL v2.1+)	GNU Lesser General Public License v2.1 or later
fuse 2.9.2 (LGPL-2.1)	GNU Lesser General Public License v2.1 or later
gcc 4.8.5 (LGPL-3)	GNU Lesser General Public License v3.0
ldap3 2.1.1 (LGPL v3)	GNU Lesser General Public License v3.0
psycopg2-binary 2.7.6.1 (LGPL v3)	GNU Lesser General Public License v3.0
elfutils-default-yama-scope 0.168 (LGPLv3+)	GNU Lesser General Public License v3.0 or later
elfutils-default-yama-scope 0.176 (LGPLv3+)	GNU Lesser General Public License v3.0 or later
elfutils-libelf 0.166 (LGPLv3+)	GNU Lesser General Public License v3.0 or later
elfutils-libelf 0.168 (LGPLv3+)	GNU Lesser General Public License v3.0 or later
elfutils-libelf 0.176 (LGPLv3+)	GNU Lesser General Public License v3.0 or later
elfutils-libs 0.166 (LGPLv3+)	GNU Lesser General Public License v3.0 or later
elfutils-libs 0.168 (LGPLv3+)	GNU Lesser General Public License v3.0 or later
elfutils-libs 0.176 (LGPLv3+)	GNU Lesser General Public License v3.0 or later
gmp 6.0.0 (LGPLv3+)	GNU Lesser General Public License v3.0 or later
libmpc 1.0.1 (LGPL v3.0+)	GNU Lesser General Public License v3.0 or later
libstdc++ 4.8.5 (LGPL v3.0)	GNU Lesser General Public License v3.0 or later
libunistring 0.9.3 (LGPL v3.0+)	GNU Lesser General Public License v3.0 or later
mpfr 3.1.1 (LGPL v3.0)	GNU Lesser General Public License v3.0 or later

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psycopg2 2.7.4 (LGPL-3)	GNU Lesser General Public License v3.0 or later
pyliblzma 0.5.3 (LGPL v3.0+)	GNU Lesser General Public License v3.0 or later
cups-libs 1.6.3 (LGPL-2.0)	GNU Library General Public License v2.0
device-mapper-libs 1.02.135 (LGPL-2.0)	GNU Library General Public License v2.0
device-mapper-libs 1.02.140 (LGPL-2.0)	GNU Library General Public License v2.0
e2fsprogs-libs 1.42.9 (LGPL-2.0)	GNU Library General Public License v2.0
java-1.8.0-openjdk 1.8.0.161 (LGPL-2.0)	GNU Library General Public License v2.0
java-1.8.0-openjdk-devel 1.8.0.161 (LGPL-2.0)	GNU Library General Public License v2.0
java-1.8.0-openjdk-headless 1.8.0.161 (LGPL-2.0)	GNU Library General Public License v2.0
libn3 3.2.28 (LGPL-2.0)	GNU Library General Public License v2.0
libn3-cli 3.2.28 (LGPL-2.0)	GNU Library General Public License v2.0
lksctp-tools 1.0.17 (LGPL-2.1)	GNU Library General Public License v2.0
lvm2-libs 2.02.185 (LGPL-2.0)	GNU Library General Public License v2.0
newt 0.52.15 (LGPL v2.0)	GNU Library General Public License v2.0
numactl-libs 2.0.12 (LGPL-2.0)	GNU Library General Public License v2.0
setools-libs 3.3.8 (LGPL-2.0)	GNU Library General Public License v2.0
acl 2.2.51 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
alsa-firmware 1.0.28 (GPL v2.0+)	GNU Library General Public License v2.0 or later
alsa-lib 1.1.1 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
alsa-lib 1.1.3 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
audit-libs 2.6.5 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
audit-libs 2.7.6 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
audit-libs 2.8.5 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
augeas 1.4.0 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
augeas-libs 1.4.0 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
avahi-libs 0.6.31 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
cryptsetup-libs 1.7.2 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
cryptsetup-libs 1.7.4 (LGPL-2.0+)	GNU Library General Public License v2.0 or later

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cryptsetup-libs 2.0.3 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
fuse-libs 2.9.2 (LGPL-2.1)	GNU Library General Public License v2.0 or later
gettext 0.19.8.1 (GPL-3.0)	GNU Library General Public License v2.0 or later
glib2 2.46.2 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
glib2 2.50.3 (LGPL-2.0)	GNU Library General Public License v2.0 or later
glibc 2.17 (LGPL-2)	GNU Library General Public License v2.0 or later
glibc-common 2.17 (LGPL-2)	GNU Library General Public License v2.0 or later
gpgme 1.3.2 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
keyutils-libs 1.5.8 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
kmod-libs 20 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libacl 2.2.51 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
libaio 0.3.109 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libassuan 2.1.0 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
libattr 2.4.46 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
libblkid 2.23.2 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libcap-ng 0.7.5 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libdaemon 0.14 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
libestr 0.1.9 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
libgcrypt 1.5.3 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
libgpg-error 1.12 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
libmicrohttpd 0.9.33 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
libmnl 1.0.3 (LGPL v2.0+)	GNU Library General Public License v2.0 or later

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libmount 2.23.2 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libndp 1.2 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libquadmath 4.8.5 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libsemanage 2.5 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libsepol 2.5 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libsmartcols 2.23.2 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libsysfs 2.1.0 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
libtasn1 4.10 (GPL-3.0+ and LGPL-2.0+)	GNU Library General Public License v2.0 or later
libtool-ltdl 2.4.2 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libuser 0.60 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
libutempter 1.1.6 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
lm_sensors-libs 3.4.0 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
nettle 2.7.1 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
polkit 0.112 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
polkit-pkla-compatible 0.1 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
procps-ng 3.3.10 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
pth 2.0.7 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
pygpgme 0.3 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
python-augeas 0.5.0 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
python-gobject-base 3.22.0 (LGPL-2.0)	GNU Library General Public License v2.0 or later
python-pyudev 0.15 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
python-urlgrabber 3.10 (LGPL-2.0+)	GNU Library General Public License v2.0 or later

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pyxattr 0.5.1 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
qrencode-libs 3.4.1 (LGPL v2.0+)	GNU Library General Public License v2.0 or later
systemd 219 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
systemd-devel 219 (LGPL-2.0)	GNU Library General Public License v2.0 or later
systemd-journal-gateway 219 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
systemd-libs 219 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
systemd-python 219 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
systemd-sysv 219 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
ttmkfdir 3.0.9 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
xfsprogs 4.5.0 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
xz 5.2.2 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
xz-libs 5.2.2 (LGPL-2.0+)	GNU Library General Public License v2.0 or later
chardet 3.0.4 (LGPL-2)	GNU Library/Lesser General Public License
rpm-build-libs 4.11.3 (LGPL v2.0)	GNU Library/Lesser General Public License
rpm-libs 4.11.3 (LGPLv2+)	GNU Library/Lesser General Public License
postfix 2.10.1 (IBM Public License)	IBM Public License v1.0
dhclient 4.2.5 (ISC License (ISC))	ISC License (ISC)
dhcp-common 4.2.5 (ISC License (ISC))	ISC License (ISC)
dhcp-libs 4.2.5 (ISC License (ISC))	ISC License (ISC)
input-moment 0.4.0 (ISC License (ISC))	ISC License (ISC)
libconfuse 2.7 (ISC License (ISC))	ISC License (ISC)
tmux 1.8 (ISC License or BSD)	ISC License (ISC)
libjpeg-turbo 1.2.90 (IJG License)	Independent JPEG Group License
json-java 2.0 (JSON License)	JSON License
bcpkix-jdk15on 1.53 (Legion Of The Bouncy Castle License)	Legion Of The Bouncy Castle License
animal-sniffer-annotations 1.18 (MIT License)	MIT License (Expat)
axios 0.19.0 (MIT)	MIT License (Expat)
babel-runtime 6.26.0 (MIT)	MIT License (Expat)
base64-js 1.3.0 (MIT)	MIT License (Expat)
bc-fips 3.0.1 (MIT)	MIT License (Expat)

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bmon 3.6 (MIT)	MIT License (Expat)
buffer 4.9.1 (MIT)	MIT License (Expat)
cfi 1.14.0 (MIT)	MIT License (Expat)
checker-qual 2.8.1 (MIT License)	MIT License (Expat)
classnames 2.2.6 (MIT)	MIT License (Expat)
cookie 0.4.0 (MIT)	MIT License (Expat)
cookies 2.2.1 (MIT)	MIT License (Expat)
core-js 2.5.7 (MIT)	MIT License (Expat)
core-js 2.6.9 (MIT)	MIT License (Expat)
deep-diff 1.0.2 (MIT)	MIT License (Expat)
fbjs 0.8.17 (MIT)	MIT License (Expat)
gevent 1.1.0 (MIT)	MIT License (Expat)
gevent 1.3.6 (MIT)	MIT License (Expat)
greenlet 0.4.15 (MIT)	MIT License (Expat)
is-buffer 2.0.4 (MIT)	MIT License (Expat)
isarray 1.0.0 (MIT)	MIT License (Expat)
jansson 2.10 (MIT)	MIT License (Expat)
jcl-over-slf4j 1.7.21 (MIT)	MIT License (Expat)
jul-to-slf4j 1.7.30 (MIT)	MIT License (Expat)
krb5-libs 1.15.1 (MIT)	MIT License (Expat)
libX11 1.6.5 (MIT)	MIT License (Expat)
libX11-common 1.6.5 (MIT)	MIT License (Expat)
libXfont 1.5.2 (MIT)	MIT License (Expat)
libXi 1.7.9 (MIT)	MIT License (Expat)
libXrender 0.9.10 (MIT)	MIT License (Expat)
libXtst 1.2.3 (MIT)	MIT License (Expat)
libfontenc 1.1.3 (MIT)	MIT License (Expat)
libcups 2.0.0 (MIT)	MIT License (Expat)
libicu 50.1.2 (MIT)	MIT License (Expat)
libxcb 1.12 (MIT)	MIT License (Expat)
libxml2-python 2.9.1 (MIT)	MIT License (Expat)
lodash 4.17.11 (MIT)	MIT License (Expat)
lodash 4.17.15 (MIT)	MIT License (Expat)
luxon 1.6.2 (MIT)	MIT License (Expat)
moment 2.22.2 (MIT)	MIT License (Expat)
moment-timezone 0.5.23 (MIT)	MIT License (Expat)
ms 2.0.0 (MIT)	MIT License (Expat)
natural-compare 1.4.0 (MIT)	MIT License (Expat)
object-assign 4.1.1 (MIT)	MIT License (Expat)
pip 9.0.1 (MIT)	MIT License (Expat)

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polyfill 7.0.0 (MIT)	MIT License (Expat)
process 0.11.10 (MIT)	MIT License (Expat)
prop-types 15.6.2 (MIT)	MIT License (Expat)
python-netifaces 0.10.4 (MIT)	MIT License (Expat)
python-py 1.4.32 (MIT)	MIT License (Expat)
react 16.12.0 (MIT)	MIT License (Expat)
react 16.6.1 (MIT)	MIT License (Expat)
react 16.9.0 (MIT)	MIT License (Expat)
react-dom 16.12.0 (MIT)	MIT License (Expat)
react-dom 16.6.1 (MIT)	MIT License (Expat)
react-file-reader-input 2.0.0 (MIT)	MIT License (Expat)
react-hot-loader 4.3.12 (MIT)	MIT License (Expat)
react-input-slider 4.0.1 (MIT)	MIT License (Expat)
react-octagon 7.7.0 (MIT)	MIT License (Expat)
regenerator-runtime 0.11.1 (MIT)	MIT License (Expat)
scheduler 0.11.2 (MIT)	MIT License (Expat)
scheduler 0.18.0 (MIT)	MIT License (Expat)
semantic-ui-react 0.74.2 (MIT)	MIT License (Expat)
setuptools 28.8.0 (MIT)	MIT License (Expat)
setuptools 40.0.0 (MIT)	MIT License (Expat)
simplejson 3.10.0 (MIT)	MIT License (Expat)
slf4j-api 1.7.30 (MIT)	MIT License (Expat)
slf4j-log4j12 1.7.21 (MIT)	MIT License (Expat)
systemd-python 233 (LGPL v2)	MIT License (Expat)
unirest-java 1.4.9 (MIT)	MIT License (Expat)
urllib3 1.22 (MIT)	MIT License (Expat)
urllib3 1.24.1 (MIT)	MIT License (Expat)
uwsgitop 0.10 (MIT)	MIT License (Expat)
webpack 4.25.1 (MIT)	MIT License (Expat)
xmlsec1 1.2.20 (MIT)	MIT License (Expat)
xmlsec1-openssl 1.2.20 (MIT)	MIT License (Expat)
xorg-x11-font-utils 7.5 (MIT)	MIT License (Expat)
asn1crypto 0.24.0 (MIT License)	MIT-Style License
bcpkix-jdk15on 1.53 (MIT License)	MIT-Style License
beautifulsoup4 4.5.1 (MIT License)	MIT-Style License
cffi 1.11.5 (MIT License)	MIT-Style License
cffi 1.12.3 (MIT License)	MIT-Style License
curl 7.29.0 (MIT)	MIT-Style License
daemonocle 1.0.1 (MIT License)	MIT-Style License
dbus-python 1.1.1 (MIT)	MIT-Style License

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expat 2.1.0 (MIT)	MIT-Style License
fontconfig 2.10.95 (MIT)	MIT-Style License
giflib 4.1.6 (MIT)	MIT-Style License
greenlet 0.4.9 (MIT)	MIT-Style License
krb5-libs 1.14.1 (MIT)	MIT-Style License
libICE 1.0.9 (MIT)	MIT-Style License
libSM 1.2.2 (MIT)	MIT-Style License
libX11 1.6.3 (MIT)	MIT-Style License
libX11-common 1.6.3 (MIT)	MIT-Style License
libXau 1.0.8 (MIT)	MIT-Style License
libXcomposite 0.4.4 (MIT)	MIT-Style License
libXext 1.3.3 (MIT)	MIT-Style License
libXfont 1.5.1 (MIT)	MIT-Style License
libXi 1.7.4 (MIT)	MIT-Style License
libXrender 0.9.8 (MIT)	MIT-Style License
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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0.9.0 thru 1.2	1991-1995	CWI	yes	1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes							
1.6	1.5.2	2000	CNRI	no	2.0	1.6	2000	BeOpen.com	no	1.6.1	1.6	2001	CNRI	yes	(2)
2.1	2.0+1.6.1	2001	PSF	no	2.0.1	2.0+1.6.1	2001	PSF	yes	2.1.1	2.1+2.0.1	2001	PSF	yes	
2.2	2.1.1	2001	PSF	yes	2.1.2	2.1.1	2002	PSF	yes	2.1.3	2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes	2.2.2	2.2.1	2002	PSF	yes	2.2.3	2.2.2	2003	PSF	yes	
2.3	2.2.2	2002-2003	PSF	yes	2.3.1	2.3	2002-2003	PSF	yes	2.3.2	2.3.1	2002-2003	PSF	yes	
2.3.3	2.3.2	2002-2003	PSF	yes	2.3.4	2.3.3	2004	PSF	yes	2.3.5	2.3.4	2005	PSF	yes	
2.4	2.3	2004	PSF	yes	2.4.1	2.4	2005	PSF	yes	2.4.2	2.4.1	2005	PSF	yes	
2.4.3	2.4.2	2006	PSF	yes	2.5	2.4	2006	PSF	yes						

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[alsa-lib 1.1.1 (LGPL-2.0+)]

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

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

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

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

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Version 2, June 1991

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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.)

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

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Code Referemces stack_overflow Article "Can I get JSON to load into an OrderedDict in Python?"

<http://stackoverflow.com/a/6921760/3171310>

Initial question posted by

<https://stackoverflow.com/users/243780/c00kiemonster>

Answered by: <https://stackoverflow.com/users/65696/singlenegationelimination>
on Aug 3 2011

edited by: <https://stackoverflow.com/users/117471/bruno-bronosky>
on Aug 5 2015

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Code matches from Stack Overflow article "how-do-i-check-if-a-string-is-unicode-or-ascii"

<http://stackoverflow.com/questions/4987327/how-do-i-check-if-a-string-is-unicode-or-ascii>

Initial question posted by <https://stackoverflow.com/users/179736/timexr>
asked Feb 13 '11 at 22:27

Answered by: <https://stackoverflow.com/users/893/greg-hewgill>
answered Feb 13 '11 at 22:40

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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:

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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

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

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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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.)

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

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[\[cryptsetup-libs 2.0.3 \(LGPL-2.0+\)\]](#)

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[cups-libs 1.6.3 (LGPL-2.0)]

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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 Program.

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

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

- a) 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; or,
- b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,
- c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. 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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Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it

free software which everyone can redistribute and change under these terms.

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

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

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

```
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
```

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

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

```
Gnomovision version 69, Copyright (C) 19yy name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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

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

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

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

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Version 2, June 1991

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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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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,

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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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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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- 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.

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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

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

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.

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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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```

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

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

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

That's all there is to it!

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 * Rob Earhart
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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

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

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

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

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less

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

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Theodore Ts'o
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```

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Ty Coon, President of Vice
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cryptacular NOTICE

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```

<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <link rel="dns-prefetch" href="https://assets-cdn.github.com">
    <link rel="dns-prefetch" href="https://avatars0.githubusercontent.com">
    <link rel="dns-prefetch" href="https://avatars1.githubusercontent.com">
    <link rel="dns-prefetch" href="https://avatars2.githubusercontent.com">
    <link rel="dns-prefetch" href="https://avatars3.githubusercontent.com">
    <link rel="dns-prefetch" href="https://github-cloud.s3.amazonaws.com">
    <link rel="dns-prefetch" href="https://user-images.githubusercontent.com/">

    <link crossorigin="anonymous" href="https://assets-
cdn.github.com/assets/frameworks-
2d2d4c150f7000385741c6b992b302689ecd172246c6428904e0813be9bceca6.css"
media="all" rel="stylesheet" />
    <link crossorigin="anonymous" href="https://assets-
cdn.github.com/assets/github-
0522ae8d3b3bdc841d2f91f90efd5f1fd9040d910905674cd134ced43a6dfea6.css"
media="all" rel="stylesheet" />

    <link crossorigin="anonymous" href="https://assets-
cdn.github.com/assets/site-
cfab053e93f0e27f4c63d4ff6b7957bd25f711667fe678e747f8a4d88c47b38d.css"
media="all" rel="stylesheet" />

    <meta name="viewport" content="width=device-width">

    <title>cryptacular/NOTICE at master · vt-middleware/cryptacular ·
GitHub</title>
    <link rel="search" type="application/opensearchdescription+xml"
href="/opensearch.xml" title="GitHub">
    <link rel="fluid-icon" href="https://github.com/fluidicon.png"
title="GitHub">
    <meta property="fb:app_id" content="1401488693436528">

    <meta
content="https://avatars7.githubusercontent.com/u/6122907?v=4&s=400"
property="og:image" /><meta content="GitHub" property="og:site_name" /><meta
content="object" property="og:type" /><meta content="vt-
middleware/cryptacular" property="og:title" /><meta
content="https://github.com/vt-middleware/cryptacular" property="og:url"
/><meta content="cryptacular - The friendly complement to the BouncyCastle
crypto API for Java." property="og:description" />

    <link rel="assets" href="https://assets-cdn.github.com/">

    <meta name="pjax-timeout" content="1000">

    <meta name="request-id" content="E0E4:26F16:12A5AE6:1D11801:596C7978" data-
pjax-transient>

```

```

<meta name="selected-link" value="repo_source" data-pjax-transient>

<meta name="google-site-verification"
content="KT5gs8h0wvaagLKAVWq8bbeNwnZZK1r1XQysX3xurLU">
<meta name="google-site-verification" content="ZzhVyEFwb7w3e0-
uOTltm8Jsck2F5StVihD0exw2fsA">
  <meta name="google-analytics" content="UA-3769691-2">

<meta content="collector.githubapp.com" name="octolytics-host" /><meta
content="github" name="octolytics-app-id" /><meta
content="https://collector.githubapp.com/github-external/browser_event"
name="octolytics-event-url" /><meta
content="E0E4:26F16:12A5AE6:1D11801:596C7978" name="octolytics-dimension-
request_id" /><meta content="sea" name="octolytics-dimension-region_edge"
/><meta content="iad" name="octolytics-dimension-region_render" />
<meta content="/&lt;user-name&gt;/&lt;repo-name&gt;/blob/show" data-pjax-
transient="true" name="analytics-location" />

<meta class="js-ga-set" name="dimension1" content="Logged Out">

  <meta name="hostname" content="github.com">
  <meta name="user-login" content="">

  <meta name="expected-hostname" content="github.com">
  <meta name="js-proxy-site-detection-payload"
content="N2ZhMjk0NTA4MjI1NmZhYTVlNzZM5NzVjZmFkOWY2NGFkNmMxYzcyMGViNzAzZGQxMGMz
ZmJhZDQ3YWZiZTI0OHx7InJlbW90ZV9hZGRyZXNzIjoiMTEwLjIwLjIyMC4xMzUiLCJyZXF1ZXXN0X
2lkIjoiRTBFNDoyNkYxNjoxMkE1QUU2OjFEMTE4MDE6NTk2Qzc5NzgiLCJ0aW1lc3RhbXAiOjE1MD
AyODEyMDgsImhvc3QiOiJnaXRodWIuY29tIn0=">

  <meta name="html-safe-nonce"
content="5aa226b80a18dc40894e1d405e4eb31cfca7d616">

  <meta http-equiv="x-pjax-version"
content="f682644ce1bb9629b9d9d9bedf64801b">

  <link href="https://github.com/vt-
middleware/cryptacular/commits/master.atom" rel="alternate" title="Recent
Commits to cryptacular:master" type="application/atom+xml">

  <meta name="description" content="cryptacular - The friendly complement to
the BouncyCastle crypto API for Java.">
  <meta name="go-import" content="github.com/vt-middleware/cryptacular git
https://github.com/vt-middleware/cryptacular.git">

  <meta content="6122907" name="octolytics-dimension-user_id" /><meta
content="vt-middleware" name="octolytics-dimension-user_login" /><meta

```



```
content="15714989" name="octolytics-dimension-repository_id" /><meta
content="vt-middlewre/cryptacular" name="octolytics-dimension-
repository_nwo" /><meta content="true" name="octolytics-dimension-
repository_public" /><meta content="false" name="octolytics-dimension-
repository_is_fork" /><meta content="15714989" name="octolytics-dimension-
repository_network_root_id" /><meta content="vt-middlewre/cryptacular"
name="octolytics-dimension-repository_network_root_nwo" /><meta
content="false" name="octolytics-dimension-
repository_explore_github_marketplace_ci_cta_shown" />
```

```
<link rel="canonical" href="https://github.com/vt-
middlewre/cryptacular/blob/master/NOTICE" data-pjax-transient>
```

```
<meta name="browser-stats-url"
content="https://api.github.com/_private/browser/stats">
```

```
<meta name="browser-errors-url"
content="https://api.github.com/_private/browser/errors">
```

```
<link rel="mask-icon" href="https://assets-cdn.github.com/pinned-
octocat.svg" color="#000000">
```

```
<link rel="icon" type="image/x-icon" href="https://assets-
cdn.github.com/favicon.ico">
```

```
<meta name="theme-color" content="#1e2327">
```

```
</head>
```

```
<body class="logged-out env-production page-blob">
```

```
<div class="position-relative js-header-wrapper ">
  <a href="#start-of-content" tabindex="1" class="px-2 py-4 show-on-focus
js-skip-to-content">Skip to content</a>
  <div id="js-pjax-loader-bar" class="pjax-loader-bar"><div
class="progress"></div></div>
```

```
<header class="site-header js-details-container Details"
role="banner">
  <div class="site-nav-container">
    <a class="header-logo-invertocat" href="https://github.com/" aria-
label="Homepage" data-ga-click="(Logged out) Header, go to homepage,
icon:logo-wordmark">
      <svg aria-hidden="true" class="octicon octicon-mark-github" height="32"
version="1.1" viewBox="0 0 16 16" width="32"><path fill-rule="evenodd" d="M8
```

```
0C3.58 0 0 3.58 0 8c0 3.54 2.29 6.53 5.47 7.59.4.07.55-.17.55-.38 0-.19-.01-
.82-.01-1.49-2.01.37-2.53-.49-2.69-.94-.09-.23-.48-.94-.82-1.13-.28-.15-.68-
.52-.01-.53.63-.01 1.08.58 1.23.82.72 1.21 1.87.87 2.33.66.07-.52.28-.87.51-
1.07-1.78-.2-3.64-.89-3.64-3.95 0-.87.31-1.59.82-2.15-.08-.2-.36-1.02.08-2.12
0 0 .67-.21 2.2.82.64-.18 1.32-.27 2-.27.68 0 1.36.09 2 .27 1.53-1.04 2.2-.82
2.2-.82.44 1.1.16 1.92.08 2.12.51.56.82 1.27.82 2.15 0 3.07-1.87 3.75-3.65
3.95.29.25.54.73.54 1.48 0 1.07-.01 1.93-.01 2.2 0 .21.15.46.55.38A8.013
8.013 0 0 0 16 8c0-4.42-3.58-8-8-8z"/></svg>
</a>
```

```
<button class="btn-link float-right site-header-toggle js-details-target"
type="button" aria-label="Toggle navigation" aria-expanded="false">
  <svg aria-hidden="true" class="octicon octicon-three-bars" height="24"
version="1.1" viewBox="0 0 12 16" width="18"><path fill-rule="evenodd"
d="M11.41 9H.59C0 9 0 8.59 0 8c0-.59 0-1 .59-1H11.4c.59 0 .59.41.59 1 0 .59 0
1-.59 1h.01zm0-4H.59C0 5 0 4.59 0 4c0-.59 0-1 .59-1H11.4c.59 0 .59.41.59 1 0
.59 0 1-.59 1h.01zM.59 11H11.4c.59 0 .59.41.59 1 0 .59 0 1-.59 1H.59C0 13 0
12.59 0 12c0-.59 0-1 .59-1z"/></svg>
</button>
```

```
<div class="site-header-menu">
  <nav class="site-header-nav">
    <a href="/features" class="js-selected-navigation-item nav-item"
data-ga-click="Header, click, Nav menu - item:features" data-selected-
links="/features /features/code-review /features/project-management
/features/integrations /features">
      Features
</a>
    <a href="/business" class="js-selected-navigation-item nav-item"
data-ga-click="Header, click, Nav menu - item:business" data-selected-
links="/business /business/security /business/customers /business">
      Business
</a>
    <a href="/explore" class="js-selected-navigation-item nav-item"
data-ga-click="Header, click, Nav menu - item:explore" data-selected-
links="/explore /trending /trending/developers /stars /integrations
/integrations/feature/code /integrations/feature/collaborate
/integrations/feature/ship showcases showcases_search showcases_landing
/explore">
      Explore
</a>
    <a href="/marketplace" class="js-selected-navigation-item
nav-item" data-ga-click="Header, click, Nav menu - item:marketplace" data-
selected-links=" /marketplace">
      Marketplace
</a>
    <a href="/pricing" class="js-selected-navigation-item nav-item"
data-ga-click="Header, click, Nav menu - item:pricing" data-selected-
links="/pricing /pricing/developer /pricing/team /pricing/business-hosted
/pricing/business-enterprise /pricing">
      Pricing
</a>
  </nav>
```

```
<div class="site-header-actions">
  <div class="header-search scoped-search site-scoped-search js-site-
search" role="search">
    <!-- '"` --><!-- </textarea></xmp> --></option></form><form accept-
charset="UTF-8" action="/vt-middlewre/cryptacular/search" class="js-site-
search-form" data-scoped-search-url="/vt-middlewre/cryptacular/search" data-
unscoped-search-url="/search" method="get"><div
```

```

style="margin:0;padding:0;display:inline"><input name="utf8" type="hidden"
value="&#x2713;" /></div>
  <label class="form-control header-search-wrapper js-chromeless-input-
container">
    <a href="/vt-middlewre/cryptacular/blob/master/NOTICE"
class="header-search-scope no-underline">This repository</a>
    <input type="text"
      class="form-control header-search-input js-site-search-focus js-site-
search-field is-clearable"
      data-hotkey="s"
      name="q"
      value=""
      placeholder="Search"
      aria-label="Search this repository"
      data-unscooped-placeholder="Search GitHub"
      data-scoped-placeholder="Search"
      autocapitalize="off">
    <input type="hidden" class="js-site-search-type-field" name="type" >
  </label>
</form></div>

  <a class="text-bold site-header-link" href="/login?return_to=%2Fvt-
middleware%2Fcryptacular%2Fblob%2Fmaster%2FNOTICE" data-ga-click="(Logged
out) Header, clicked Sign in, text:sign-in">Sign in</a>
  <span class="text-gray">or</span>
  <a class="text-bold site-header-link" href="/join?source=header-
repo" data-ga-click="(Logged out) Header, clicked Sign up, text:sign-up">Sign
up</a>
</div>
</div>
</div>
</div>
</header>

</div>

<div id="start-of-content" class="show-on-focus"></div>

  <div id="js-flash-container">
</div>

<div role="main">
  <div itemscope itemtype="http://schema.org/SoftwareSourceCode">
  <div id="js-repo-pjax-container" data-pjax-container>

  <div class="pagehead repohead instapaper_ignore readability-menu
experiment-repo-nav">
  <div class="container repohead-details-container">

```

```

    <ul class="pagehead-actions">
      <li>
        <a href="/login?return_to=%2Fvt-middleware%2Fcryptacular"
          class="btn btn-sm btn-with-count tooltipped tooltipped-n"
          aria-label="You must be signed in to watch a repository" rel="nofollow">
          <svg aria-hidden="true" class="octicon octicon-eye" height="16"
            version="1.1" viewBox="0 0 16 16" width="16"><path fill-rule="evenodd"
            d="M8.06 2C3 2 0 8 0 8s3 6 8.06 6C13 14 16 8 16 8s-3-6-7.94-6zM8 12c-2.2 0-4-
            1.78-4-4 0-2.2 1.8-4 4-4 2.22 0 4 1.8 4 4 0 2.22-1.78 4-4 4zm2-4c0 1.11-.89
            2-2 2-1.11 0-2-.89-2-2 0-1.11.89-2 2-2 1.11 0 2 .89 2 2z"/></svg>
          Watch
        </a>
        <a class="social-count" href="/vt-middleware/cryptacular/watchers"
          aria-label="9 users are watching this repository">
          9
        </a>
      </li>

      <li>
        <a href="/login?return_to=%2Fvt-middleware%2Fcryptacular"
          class="btn btn-sm btn-with-count tooltipped tooltipped-n"
          aria-label="You must be signed in to star a repository" rel="nofollow">
          <svg aria-hidden="true" class="octicon octicon-star" height="16"
            version="1.1" viewBox="0 0 14 16" width="14"><path fill-rule="evenodd" d="M14
            6l-4.9-.64L7 4.9 5.36 0 6l3.6 3.26L2.67 14 7 11.67 11.33 14l-.93-
            4.74z"/></svg>
          Star
        </a>

        <a class="social-count js-social-count" href="/vt-
        middleware/cryptacular/stargazers"
          aria-label="15 users starred this repository">
          15
        </a>
      </li>

      <li>
        <a href="/login?return_to=%2Fvt-middleware%2Fcryptacular"
          class="btn btn-sm btn-with-count tooltipped tooltipped-n"
          aria-label="You must be signed in to fork a repository"
          rel="nofollow">
          <svg aria-hidden="true" class="octicon octicon-repo-forked"
            height="16" version="1.1" viewBox="0 0 10 16" width="10"><path fill-
            rule="evenodd" d="M8 1a1.993 1.993 0 0 0-1 3.72V6L5 8 3 6V4.72A1.993 1.993 0
            0 2 1a1.993 1.993 0 0 0-1 3.72V6.513 3v1.78A1.993 1.993 0 0 0 5 15a1.993
            1.993 0 0 0 1-3.72V9.513-3V4.72A1.993 1.993 0 0 0 8 1zM2 4.2C1.34 4.2.8
            3.65.8 3c0-.65.55-1.2 1.2-1.2.65 0 1.2.55 1.2 1.2 0 .65-.55 1.2-1.2 1.2zm3
            10c-.66 0-1.2-.55-1.2-1.2 0-.65.55-1.2 1.2-1.2.65 0 1.2.55 1.2 1.2 0 .65-.55
            1.2-1.2 1.2zm3-10c-.66 0-1.2-.55-1.2-1.2 0-.65.55-1.2 1.2-1.2.65 0 1.2.55 1.2
            1.2 0 .65-.55 1.2-1.2 1.2z"/></svg>
          Fork
        </a>

        <a href="/vt-middleware/cryptacular/network" class="social-count"

```

```

        aria-label="1 user forked this repository">
    1
    </a>
</li>
</ul>

    <h1 class="public ">
        <svg aria-hidden="true" class="octicon octicon-repo" height="16"
version="1.1" viewBox="0 0 12 16" width="12"><path fill-rule="evenodd" d="M4
9H3V8h1v1zm0-3H3v1h1V6zm0-2H3v1h1V4zm0-2H3v1h1V2zm8-1v12c0 .55-.45 1-1
1H6v2l-1.5-1.5L3 16v-2H1c-.55 0-1-.45-1-1V1c0-.55.45-1 1-1h10c.55 0 1 .45 1
1zm-1 10H1v2h2v-1h3v1h5v-2zm0-10H2v9h9V1z"/></svg>
        <span class="author" itemprop="author"><a href="/vt-middleware" class="url
fn" rel="author">vt-middleware</a></span><!--
--><span class="path-divider"></span><!--
--><strong itemprop="name"><a href="/vt-middleware/cryptacular" data-
pjax="#js-repo-pjax-container">cryptacular</a></strong>

</h1>

    </div>
    <div class="container">

<nav class="reponav js-repo-nav js-sidenav-container-pjax"
    itemscope
    itemtype="http://schema.org/BreadcrumbList"
    role="navigation"
    data-pjax="#js-repo-pjax-container">

    <span itemscope itemtype="http://schema.org/ListItem"
itemprop="itemListElement">
        <a href="/vt-middleware/cryptacular" class="js-selected-navigation-item
selected reponav-item" data-hotkey="g c" data-selected-links="repo_source
repo_downloads repo_commits repo_releases repo_tags repo_branches /vt-
middleware/cryptacular" itemprop="url">
            <svg aria-hidden="true" class="octicon octicon-code" height="16"
version="1.1" viewBox="0 0 14 16" width="14"><path fill-rule="evenodd"
d="M9.5 3L8 4.5 11.5 8 8 11.5 9.5 13 14 8 9.5 3zm-5 0L0 8l4.5 5L6 11.5 2.5 8
6 4.5 4.5 3z"/></svg>
            <span itemprop="name">Code</span>
            <meta itemprop="position" content="1">
        </a> </span>

    <span itemscope itemtype="http://schema.org/ListItem"
itemprop="itemListElement">
        <a href="/vt-middleware/cryptacular/issues" class="js-selected-
navigation-item reponav-item" data-hotkey="g i" data-selected-
links="repo_issues repo_labels repo_milestones /vt-
middleware/cryptacular/issues" itemprop="url">
            <svg aria-hidden="true" class="octicon octicon-issue-opened"
height="16" version="1.1" viewBox="0 0 14 16" width="14"><path fill-
rule="evenodd" d="M7 2.3c3.14 0 5.7 2.56 5.7 5.7s-2.56 5.7-5.7 5.7 5.7A5.71 5.71
0 0 1 1.3 8c0-3.14 2.56-5.7 5.7-5.7zM7 1C3.14 1 0 4.14 0 8s3.14 7 7 7 7-3.14
7-7-3.14-7-7-7zm1 3H6v5h2V4zm0 6H6v2h2v-2z"/></svg>
            <span itemprop="name">Issues</span>
            <span class="Counter">4</span>
            <meta itemprop="position" content="2">
        </a> </span>

```

```

</a>    </span>

    <span itemscope itemtype="http://schema.org/ListItem"
itemprop="itemListElement">
    <a href="/vt-middlewre/cryptacular/pulls" class="js-selected-navigation-
item reponav-item" data-hotkey="g p" data-selected-links="repo_pulls /vt-
middlewre/cryptacular/pulls" itemprop="url">
    <svg aria-hidden="true" class="octicon octicon-git-pull-request"
height="16" version="1.1" viewBox="0 0 12 16" width="12"><path fill-
rule="evenodd" d="M11 11.28V5c-.03-.78-.34-1.47-.94-2.06C9.46 2.35 8.78 2.03
8 2H7V0L4 3l3 3V4h1c.27.02.48.11.69.31.21.2.3.42.31.69v6.28A1.993 1.993 0 0 0
10 15a1.993 1.993 0 0 1-3.72zm-1 2.92c-.66 0-1.2-.55-1.2-1.2 0-.65.55-1.2
1.2-1.2.65 0 1.2.55 1.2 1.2 0 .65-.55 1.2-1.2 1.2zM4 3c0-1.11-.89-2-2a1.993
1.993 0 0 0-1 3.72v6.56A1.993 1.993 0 0 0 2 15a1.993 1.993 0 0 1-
3.72V4.72c.59-.34 1-.98 1-1.72zm-.8 10c0 .66-.55 1.2-1.2 1.2-.65 0-1.2-.55-
1.2-1.2 0-.65.55-1.2 1.2-1.2.65 0 1.2.55 1.2 1.2zM2 4.2C1.34 4.2.8 3.65.8
3c0-.65.55-1.2 1.2-1.2.65 0 1.2.55 1.2 1.2 0 .65-.55 1.2-1.2 1.2z"/></svg>
    <span itemprop="name">Pull requests</span>
    <span class="Counter">1</span>
    <meta itemprop="position" content="3">
</a> </span>

    <a href="/vt-middlewre/cryptacular/projects" class="js-selected-
navigation-item reponav-item" data-selected-links="repo_projects
new_repo_project repo_project /vt-middlewre/cryptacular/projects">
    <svg aria-hidden="true" class="octicon octicon-project" height="16"
version="1.1" viewBox="0 0 15 16" width="15"><path fill-rule="evenodd" d="M10
12h3V2h-3v10zm-4-2h3V2H6v8zm-4 4h3V2H2v12zm-1 1h13V1H1v14zM14 0H1a1 1 0 0 0-1
1v14a1 1 0 0 1 1h13a1 1 0 0 0 1-1V1a1 1 0 0 0-1-1z"/></svg>
    Projects
    <span class="Counter" >0</span>
</a>

    <div class="reponav-dropdown js-menu-container">
    <button type="button" class="btn-link reponav-item reponav-dropdown js-
menu-target " data-no-toggle aria-expanded="false" aria-haspopup="true">
    Insights
    <svg aria-hidden="true" class="octicon octicon-triangle-down v-align-
middle text-gray" height="11" version="1.1" viewBox="0 0 12 16"
width="8"><path fill-rule="evenodd" d="M0 5l6 6 6-6z"/></svg>
    </button>
    <div class="dropdown-menu-content js-menu-content">
    <div class="dropdown-menu dropdown-menu-sw">
    <a class="dropdown-item" href="/vt-middlewre/cryptacular/pulse"
data-skip-pjax>
    <svg aria-hidden="true" class="octicon octicon-pulse" height="16"
version="1.1" viewBox="0 0 14 16" width="14"><path fill-rule="evenodd"
d="M11.5 8L8.8 5.4 6.6 8.5 5.5 1.6 2.38 8H0v2h3.61.9-1.8.9 5.4L9 8.511.6
1.5H14V8z"/></svg>
    Pulse
    </a>
    <a class="dropdown-item" href="/vt-middlewre/cryptacular/graphs"
data-skip-pjax>
    <svg aria-hidden="true" class="octicon octicon-graph" height="16"
version="1.1" viewBox="0 0 16 16" width="16"><path fill-rule="evenodd" d="M16
14v1H0V0h1v14h15zM5 13H3V8h2v5zm4 0H7V3h2v10zm4 0h-2V6h2v7z"/></svg>

```

```

        Graphs
      </a>
    </div>
  </div>
</div>
</nav>

  </div>
</div>

<div class="container new-discussion-timeline experiment-repo-nav">
  <div class="repository-content">

    <a href="/vt-
middleware/cryptacular/blob/c26911e3cd28497ce9daa3ce682e09cb2d1d8688/NOTICE"
class="d-none js-permalink-shortcut" data-hotkey="y">Permalink</a>

    <!-- blob contrib key:
blob_contributors:v21:f5054b9e46039e0ad937c69e6151b7d4 -->

    <div class="file-navigation js-zeroclipboard-container">

<div class="select-menu branch-select-menu js-menu-container js-select-menu
float-left">
  <button class="btn btn-sm select-menu-button js-menu-target css-truncate"
data-hotkey="w"

    type="button" aria-label="Switch branches or tags" aria-expanded="false"
aria-haspopup="true">
    <i>Branch:</i>
    <span class="js-select-button css-truncate-target">master</span>
  </button>

  <div class="select-menu-modal-holder js-menu-content js-navigation-
container" data-pjax>

    <div class="select-menu-modal">
      <div class="select-menu-header">
        <svg aria-label="Close" class="octicon octicon-x js-menu-close"
height="16" role="img" version="1.1" viewBox="0 0 12 16" width="12"><path
fill-rule="evenodd" d="M7.48 8l3.75 3.75-1.48 1.48L6 9.48l-3.75 3.75-1.48-
1.48L4.52 8 .77 4.25l1.48-1.48L6 6.52l3.75-3.75 1.48 1.48z"/></svg>
        <span class="select-menu-title">Switch branches/tags</span>
      </div>

      <div class="select-menu-filters">
        <div class="select-menu-text-filter">
          <input type="text" aria-label="Filter branches/tags" id="context-
commitish-filter-field" class="form-control js-filterable-field js-
navigation-enable" placeholder="Filter branches/tags">
        </div>
        <div class="select-menu-tabs">
          <ul>
            <li class="select-menu-tab">

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        <a href="#" data-tab-filter="branches" data-filter-
placeholder="Filter branches/tags" class="js-select-menu-tab"
role="tab">Branches</a>
    </li>
    <li class="select-menu-tab">
        <a href="#" data-tab-filter="tags" data-filter-
placeholder="Find a tag..." class="js-select-menu-tab" role="tab">Tags</a>
    </li>
</ul>
</div>
</div>

<div class="select-menu-list select-menu-tab-bucket js-select-menu-tab-
bucket" data-tab-filter="branches" role="menu">

    <div data-filterable-for="context-commitish-filter-field" data-
filterable-type="substring">

        <a class="select-menu-item js-navigation-item js-navigation-open
"
            href="/vt-middleware/cryptacular/blob/ISSUE-31+32/NOTICE"
            data-name="ISSUE-31+32"
            data-skip-pjax="true"
            rel="nofollow">
            <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 5l-8 4-4-1.5-1.5L4 10l6.5-
6.5z"/></svg>
            <span class="select-menu-item-text css-truncate-target js-
select-menu-filter-text">
                ISSUE-31+32
            </span>
        </a>
        <a class="select-menu-item js-navigation-item js-navigation-open
"
            href="/vt-middleware/cryptacular/blob/gh-pages/NOTICE"
            data-name="gh-pages"
            data-skip-pjax="true"
            rel="nofollow">
            <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 5l-8 4-4-1.5-1.5L4 10l6.5-
6.5z"/></svg>
            <span class="select-menu-item-text css-truncate-target js-
select-menu-filter-text">
                gh-pages
            </span>
        </a>
        <a class="select-menu-item js-navigation-item js-navigation-open
selected"
            href="/vt-middleware/cryptacular/blob/master/NOTICE"
            data-name="master"
            data-skip-pjax="true"
            rel="nofollow">
            <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"

```



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width="12"><path fill-rule="evenodd" d="M12 51-8 8-4-4 1.5-1.5L4 1016.5-
6.5z"/></svg>
    <span class="select-menu-item-text css-truncate-target js-
select-menu-filter-text">
        master
    </span>
</a>
<a class="select-menu-item js-navigation-item js-navigation-open
"
    href="/vt-middleware/cryptacular/blob/v1.1/NOTICE"
    data-name="v1.1"
    data-skip-pjax="true"
    rel="nofollow">
    <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 51-8 8-4-4 1.5-1.5L4 1016.5-
6.5z"/></svg>
    <span class="select-menu-item-text css-truncate-target js-
select-menu-filter-text">
        v1.1
    </span>
</a>
</div>

    <div class="select-menu-no-results">Nothing to show</div>
</div>

    <div class="select-menu-list select-menu-tab-bucket js-select-menu-tab-
bucket" data-tab-filter="tags">
    <div data-filterable-for="context-commitish-filter-field" data-
filterable-type="substring">

        <a class="select-menu-item js-navigation-item js-navigation-open
"
            href="/vt-middleware/cryptacular/tree/v1.2.1/NOTICE"
            data-name="v1.2.1"
            data-skip-pjax="true"
            rel="nofollow">
            <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 51-8 8-4-4 1.5-1.5L4 1016.5-
6.5z"/></svg>
            <span class="select-menu-item-text css-truncate-target"
title="v1.2.1">
                v1.2.1
            </span>
        </a>
        <a class="select-menu-item js-navigation-item js-navigation-open
"
            href="/vt-middleware/cryptacular/tree/v1.2.0/NOTICE"
            data-name="v1.2.0"
            data-skip-pjax="true"
            rel="nofollow">
            <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"

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width="12"><path fill-rule="evenodd" d="M12 51-8 8-4-4 1.5-1.5L4 1016.5-
6.5z"/></svg>
    <span class="select-menu-item-text css-truncate-target"
title="v1.2.0">
        v1.2.0
    </span>
</a>
<a class="select-menu-item js-navigation-item js-navigation-open
"
    href="/vt-middleware/cryptacular/tree/v1.1.2/NOTICE"
    data-name="v1.1.2"
    data-skip-pjax="true"
    rel="nofollow">
    <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 51-8 8-4-4 1.5-1.5L4 1016.5-
6.5z"/></svg>
    <span class="select-menu-item-text css-truncate-target"
title="v1.1.2">
        v1.1.2
    </span>
</a>
<a class="select-menu-item js-navigation-item js-navigation-open
"
    href="/vt-middleware/cryptacular/tree/v1.1.1/NOTICE"
    data-name="v1.1.1"
    data-skip-pjax="true"
    rel="nofollow">
    <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 51-8 8-4-4 1.5-1.5L4 1016.5-
6.5z"/></svg>
    <span class="select-menu-item-text css-truncate-target"
title="v1.1.1">
        v1.1.1
    </span>
</a>
<a class="select-menu-item js-navigation-item js-navigation-open
"
    href="/vt-middleware/cryptacular/tree/v1.1.0/NOTICE"
    data-name="v1.1.0"
    data-skip-pjax="true"
    rel="nofollow">
    <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 51-8 8-4-4 1.5-1.5L4 1016.5-
6.5z"/></svg>
    <span class="select-menu-item-text css-truncate-target"
title="v1.1.0">
        v1.1.0
    </span>
</a>
<a class="select-menu-item js-navigation-item js-navigation-open
"
    href="/vt-middleware/cryptacular/tree/v1.0/NOTICE"
    data-name="v1.0"
    data-skip-pjax="true"

```

```

        rel="nofollow">
        <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 5l-8 4-4 1.5-1.5L4 10l6.5-
6.5z"/></svg>
        <span class="select-menu-item-text css-truncate-target"
title="v1.0">
            v1.0
        </span>
    </a>
<a class="select-menu-item js-navigation-item js-navigation-open
"
        href="/vt-middlewre/cryptacular/tree/v1.0-RC6/NOTICE"
        data-name="v1.0-RC6"
        data-skip-pjax="true"
        rel="nofollow">
        <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 5l-8 4-4 1.5-1.5L4 10l6.5-
6.5z"/></svg>
        <span class="select-menu-item-text css-truncate-target"
title="v1.0-RC6">
            v1.0-RC6
        </span>
    </a>
<a class="select-menu-item js-navigation-item js-navigation-open
"
        href="/vt-middlewre/cryptacular/tree/v1.0-RC4/NOTICE"
        data-name="v1.0-RC4"
        data-skip-pjax="true"
        rel="nofollow">
        <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 5l-8 4-4 1.5-1.5L4 10l6.5-
6.5z"/></svg>
        <span class="select-menu-item-text css-truncate-target"
title="v1.0-RC4">
            v1.0-RC4
        </span>
    </a>
<a class="select-menu-item js-navigation-item js-navigation-open
"
        href="/vt-middlewre/cryptacular/tree/v1.0-RC3/NOTICE"
        data-name="v1.0-RC3"
        data-skip-pjax="true"
        rel="nofollow">
        <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 5l-8 4-4 1.5-1.5L4 10l6.5-
6.5z"/></svg>
        <span class="select-menu-item-text css-truncate-target"
title="v1.0-RC3">
            v1.0-RC3
        </span>
    </a>
<a class="select-menu-item js-navigation-item js-navigation-open
"

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```

        href="/vt-middlewre/cryptacular/tree/v1.0-RC2/NOTICE"
        data-name="v1.0-RC2"
        data-skip-pjax="true"
        rel="nofollow">
        <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 5l-8-4-4 1.5-1.5L4 10l6.5-
6.5z"/></svg>
        <span class="select-menu-item-text css-truncate-target"
title="v1.0-RC2">
            v1.0-RC2
        </span>
    </a>
"
        href="/vt-middlewre/cryptacular/tree/v1.0-RC1/NOTICE"
        data-name="v1.0-RC1"
        data-skip-pjax="true"
        rel="nofollow">
        <svg aria-hidden="true" class="octicon octicon-check select-
menu-item-icon" height="16" version="1.1" viewBox="0 0 12 16"
width="12"><path fill-rule="evenodd" d="M12 5l-8-4-4 1.5-1.5L4 10l6.5-
6.5z"/></svg>
        <span class="select-menu-item-text css-truncate-target"
title="v1.0-RC1">
            v1.0-RC1
        </span>
    </a>
</div>

    <div class="select-menu-no-results">Nothing to show</div>
</div>
</div>
</div>

<div class="BtnGroup float-right">
    <a href="/vt-middlewre/cryptacular/find/master"
        class="js-pjax-capture-input btn btn-sm BtnGroup-item"
        data-pjax
        data-hotkey="t">
        Find file
    </a>
    <button aria-label="Copy file path to clipboard" class="js-
zeroclipboard btn btn-sm BtnGroup-item tooltiped tooltiped-s" data-copied-
hint="Copied!" type="button">Copy path</button>
</div>
    <div class="breadcrumb js-zeroclipboard-target">
        <span class="repo-root js-repo-root"><span class="js-path-segment"><a
href="/vt-
middlewre/cryptacular"><span>cryptacular</span></a></span></span><span
class="separator"></span><strong class="final-path">NOTICE</strong>
        </div>
</div>

```

```

<div class="commit-tease">
  <span class="float-right">
    <a class="commit-tease-sha" href="/vt-
middleware/cryptacular/commit/6dd6f199ac3ecc3b4c5aef9e04be3bbe265a30a1" data-
pjax>
      6dd6f19
    </a>
    <relative-time datetime="2017-07-06T22:28:36Z">Jul 7, 2017</relative-
time>
  </span>
  <div>
    
    <a href="/dfish3r" class="user-mention" rel="contributor">dfish3r</a>
    <a href="/vt-
middleware/cryptacular/commit/6dd6f199ac3ecc3b4c5aef9e04be3bbe265a30a1"
class="message" data-pjax="true" title="Update year in notice.">Update year
in notice.</a>
  </div>

  <div class="commit-tease-contributors">
    <button type="button" class="btn-link muted-link contributors-toggle"
data-facebook="#blob_contributors_box">
      <strong>1</strong>
      contributor
    </button>

  </div>

  <div id="blob_contributors_box" style="display:none">
    <h2 class="facebook-header" data-facebook-id="facebook-header">Users who
have contributed to this file</h2>
    <ul class="facebook-user-list" data-facebook-id="facebook-description">
      <li class="facebook-user-list-item">
        
        <a href="/dfish3r">dfish3r</a>
      </li>
    </ul>
  </div>
</div>

<div class="file">
  <div class="file-header">
  <div class="file-actions">

    <div class="BtnGroup">
      <a href="/vt-middleware/cryptacular/raw/master/NOTICE" class="btn btn-
sm BtnGroup-item" id="raw-url">Raw</a>
      <a href="/vt-middleware/cryptacular/blame/master/NOTICE" class="btn
btn-sm js-update-url-with-hash BtnGroup-item" data-hotkey="b">Blame</a>
      <a href="/vt-middleware/cryptacular/commits/master/NOTICE" class="btn
btn-sm BtnGroup-item" rel="nofollow">History</a>
    </div>

```

```

    <button type="button" class="btn-octicon disabled tooltiped
tooltipped-nw"
      aria-label="You must be signed in to make or propose changes">
      <svg aria-hidden="true" class="octicon octicon-pencil" height="16"
version="1.1" viewBox="0 0 14 16" width="14"><path fill-rule="evenodd" d="M0
12v3h3l8-8-3-3-8 8zm3 2H1v-2h1v1h1v1zm10.3-9.3L12 6 9 3l1.3-1.3a.996.996 0 0
1 1.41 1.159 1.59c.39.39 1.02 0 1.41z"/></svg>
    </button>
    <button type="button" class="btn-octicon btn-octicon-danger disabled
tooltipped tooltiped-nw"
      aria-label="You must be signed in to make or propose changes">
      <svg aria-hidden="true" class="octicon octicon-trashcan"
height="16" version="1.1" viewBox="0 0 12 16" width="12"><path fill-
rule="evenodd" d="M11 2H9c0-.55-.45-1-1-1H5c-.55 0-1 .45-1 1H2c-.55 0-1 .45-1
1v1c0 .55.45 1 1 1v9c0 .55.45 1 1 1h7c.55 0 1-.45 1-1V5c.55 0 1-.45 1-1V3c0-
.55-.45-1-1-1zm-1 12H3V5h1v8h1V5h1v8h1V5h1v8h1V5h1v9zm1-10H2V3h9v1z"/></svg>
    </button>
  </div>

  <div class="file-info">
    7 lines (5 sloc)
    <span class="file-info-divider"></span>
    165 Bytes
  </div>
</div>

```

```

  <div itemprop="text" class="blob-wrapper data type-text">
    <table class="highlight tab-size js-file-line-container" data-tab-
size="8">
      <tr>
        <td id="L1" class="blob-num js-line-number" data-line-
number="1"></td>
        <td id="LC1" class="blob-code blob-code-inner js-file-
line">Cryptacular Java Library</td>
      </tr>
      <tr>
        <td id="L2" class="blob-num js-line-number" data-line-
number="2"></td>
        <td id="LC2" class="blob-code blob-code-inner js-file-line">Copyright
(C) 2003-2017 Virginia Tech.</td>
      </tr>
      <tr>
        <td id="L3" class="blob-num js-line-number" data-line-
number="3"></td>
        <td id="LC3" class="blob-code blob-code-inner js-file-line">All
rights reserved.</td>
      </tr>
      <tr>
        <td id="L4" class="blob-num js-line-number" data-line-
number="4"></td>
        <td id="LC4" class="blob-code blob-code-inner js-file-line">
</td>
      </tr>
    </table>
  </div>

```

```

        <tr>
            <td id="L5" class="blob-num js-line-number" data-line-
number="5"></td>
            <td id="LC5" class="blob-code blob-code-inner js-file-line">This
product includes software developed at</td>
        </tr>
        <tr>
            <td id="L6" class="blob-num js-line-number" data-line-
number="6"></td>
            <td id="LC6" class="blob-code blob-code-inner js-file-line">Virginia
Tech (http://www.vt.edu).</td>
        </tr>
</table>

```

```
</div>
```

```
</div>
```

```

<button type="button" data-facebox="#jump-to-line" data-facebox-
class="linejump" data-hotkey="l" class="d-none">Jump to Line</button>
<div id="jump-to-line" style="display:none">
    <!-- '"` --><!-- </textarea></xmp> --></option></form><form accept-
charset="UTF-8" action="" class="js-jump-to-line-form" method="get"><div
style="margin:0;padding:0;display:inline"><input name="utf8" type="hidden"
value="#x2713;" /></div>
    <input class="form-control linejump-input js-jump-to-line-field"
type="text" placeholder="Jump to line&hellip;" aria-label="Jump to line"
autofocus>
    <button type="submit" class="btn">Go</button>
</form> </div>

```

```
</div>
```

```

<div class="modal-backdrop js-touch-events"></div>
</div>

```

```
</div>
```

```
</div>
```

```
</div>
```

```

<div class="container site-footer-container">
    <div class="site-footer " role="contentinfo">
        <ul class="site-footer-links float-right">
            <li><a href="https://github.com/contact" data-ga-click="Footer, go to
contact, text:contact">Contact GitHub</a></li>
            <li><a href="https://developer.github.com" data-ga-click="Footer, go to
api, text:api">API</a></li>
            <li><a href="https://training.github.com" data-ga-click="Footer, go to
training, text:training">Training</a></li>
            <li><a href="https://shop.github.com" data-ga-click="Footer, go to
shop, text:shop">Shop</a></li>
            <li><a href="https://github.com/blog" data-ga-click="Footer, go to
blog, text:blog">Blog</a></li>
            <li><a href="https://github.com/about" data-ga-click="Footer, go to
about, text:about">About</a></li>

```

```

</ul>

<a href="https://github.com" aria-label="Homepage" class="site-footer-
mark" title="GitHub">
  <svg aria-hidden="true" class="octicon octicon-mark-github" height="24"
version="1.1" viewBox="0 0 16 16" width="24"><path fill-rule="evenodd" d="M8
0C3.58 0 0 3.58 0 8c0 3.54 2.29 6.53 5.47 7.59.4.07.55-.17.55-.38 0-.19-.01-
.82-.01-1.49-2.01.37-2.53-.49-2.69-.94-.09-.23-.48-.94-.82-1.13-.28-.15-.68-
.52-.01-.53.63-.01 1.08.58 1.23.82.72 1.21 1.87.87 2.33.66.07-.52.28-.87.51-
1.07-1.78-.2-3.64-.89-3.64-3.95 0-.87.31-1.59.82-2.15-.08-.2-.36-1.02.08-2.12
0 0 .67-.21 2.2.82.64-.18 1.32-.27 2-.27.68 0 1.36.09 2 .27 1.53-1.04 2.2-.82
2.2-.82.44 1.1.16 1.92.08 2.12.51.56.82 1.27.82 2.15 0 3.07-1.87 3.75-3.65
3.95.29.25.54.73.54 1.48 0 1.07-.01 1.93-.01 2.2 0 .21.15.46.55.38A8.013
8.013 0 0 0 16 8c0-4.42-3.58-8-8-8z"/></svg>
</a>
  <ul class="site-footer-links">
    <li>&copy; 2017 <span title="0.10938s from unicorn-2925809464-
f2ltq">GitHub</span>, Inc.</li>
    <li><a href="https://github.com/site/terms" data-ga-click="Footer, go
to terms, text:terms">Terms</a></li>
    <li><a href="https://github.com/site/privacy" data-ga-click="Footer,
go to privacy, text:privacy">Privacy</a></li>
    <li><a href="https://github.com/security" data-ga-click="Footer, go
to security, text:security">Security</a></li>
    <li><a href="https://status.github.com/" data-ga-click="Footer, go to
status, text:status">Status</a></li>
    <li><a href="https://help.github.com" data-ga-click="Footer, go to
help, text:help">Help</a></li>
  </ul>
</div>
</div>

<div id="ajax-error-message" class="ajax-error-message flash flash-error">
  <svg aria-hidden="true" class="octicon octicon-alert" height="16"
version="1.1" viewBox="0 0 16 16" width="16"><path fill-rule="evenodd"
d="M8.865 1.52c-.18-.31-.51-.5-.87-.5s-.69.19-.87.5L2.75 13.5c-.18.31-.18.69
0 1 .19.31.52.5.87.5h13.7c.36 0 .69-.19.86-.5.17-.31.18-.69.01-1L8.865
1.52z" data-bbox="111 605 878 675"/>
  <button type="button" class="flash-close js-flash-close js-ajax-error-
dismiss" aria-label="Dismiss error">
    <svg aria-hidden="true" class="octicon octicon-x" height="16"
version="1.1" viewBox="0 0 12 16" width="12"><path fill-rule="evenodd"
d="M7.48 8.13.75 3.75-1.48 1.48L6 9.48 1-3.75 3.75-1.48 1.48L4.52 8 .77
4.25 11.48-1.48L6 6.52 13.75-3.75 1.48 1.48z" data-bbox="111 705 878 765"/>
  </button>
  You can't perform that action at this time.
</div>

<script crossorigin="anonymous" src="https://assets-
cdn.github.com/assets/compat-
91f98c37fc84eac24836eec2567e9912742094369a04c4eba6e3cd1fa18902d9.js"></script
>

```



```
<script crossorigin="anonymous" src="https://assets-
cdn.github.com/assets/frameworks-
f84bb87b149685d1e6c6f057ee324f2cd496e677f5a359a8b5db853313bb83e6.js"></script
>
```

```
<script async="async" crossorigin="anonymous" src="https://assets-
cdn.github.com/assets/github-
13fa3aa50ac8f9fa9a7d198f0cd13b0905775d39446ad076d17d8f74a998438a.js"></script
>
```

```
<div class="js-stale-session-flash stale-session-flash flash flash-warn
flash-banner d-none">
  <svg aria-hidden="true" class="octicon octicon-alert" height="16"
version="1.1" viewBox="0 0 16 16" width="16"><path fill-rule="evenodd"
d="M8.865 1.52c-.18-.31-.51-.5-.87-.5s-.69.19-.87.5L2.75 13.5c-.18.31-.18.69
0 1 .19.31.52.5.87.5h13.7c.36 0 .69-.19.86-.5.17-.31.18-.69.01-1L8.865
1.52zM8.995 13h-2v-2h2v2zm0-3h-2V6h2v4z"/></svg>
  <span class="signed-in-tab-flash">You signed in with another tab or
window. <a href="">Reload</a> to refresh your session.</span>
  <span class="signed-out-tab-flash">You signed out in another tab or
window. <a href="">Reload</a> to refresh your session.</span>
</div>
<div class="facebox" id="facebox" style="display:none;">
<div class="facebox-popup">
  <div class="facebox-content" role="dialog" aria-labelledby="facebox-
header" aria-describedby="facebox-description">
    </div>
    <button type="button" class="facebox-close js-facebox-close" aria-
label="Close modal">
      <svg aria-hidden="true" class="octicon octicon-x" height="16"
version="1.1" viewBox="0 0 12 16" width="12"><path fill-rule="evenodd"
d="M7.48 8.13.75 3.75-1.48 1.48L6 9.48l-3.75 3.75-1.48-1.48L4.52 8 .77
4.25l1.48-1.48L6 6.52l3.75-3.75 1.48 1.48z"/></svg>
    </button>
  </div>
</div>
</div>
```

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</body>
</html>
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analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
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analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fin/FinnishLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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

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

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

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

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

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

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

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

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

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

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

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```
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```

```
<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice
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[\[fuse-libs 2.9.2 \(LGPL-2.1\)\]](#)

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

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```
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library `Frob' (a library for tweaking knobs) written by James Random  
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```

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

That's all there is to it!

[\[fxload 2002 04 11 \(GPL v2.0+\)\]](#)

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Version 2, June 1991

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

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

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

```
Ty Coon, President of Vice
```

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[\[gawk 4.0.2 \(GPL-3\)\]](#)

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gevent/libuv/_corecffi_source.c
gevent/libuv/_corecffi_cdef.c

Originally based on code from <https://github.com/veege/guv>

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[glib2 2.50.3 (LGPL-2.0)]

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

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

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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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If distribution of object code is made by offering access to copy

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

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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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```

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*
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```

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For the server\util_md5.c component:

```

/*****
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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*****/
* md5.c: NCSA HTTPd code which uses the md5c.c RSA Code
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```
*/
```

```
/*
```

```

* The apr_md5_encode() routine uses much code obtained from the FreeBSD 3.0
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* -----
--
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think
* this stuff is worth it, you can buy me a beer in return.  Poul-Henning
Kamp
* -----
--
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```
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# This comes from X11R5 (mit/util/scripts/install.sh).
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```

For the test\zb.c component:

```
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=====
```

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

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

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

*/

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```

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 * -----
 */

```

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```

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

```

```

*****
*
* md5.c: NCSA HTTPd code which uses the md5c.c RSA Code
*
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*
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```
*/
/*
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* -----
--
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you
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think
* this stuff is worth it, you can buy me a beer in return. Poul-Henning
Kamp
* -----
--
*/
```

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```

For the srclib\apr-util\xml\expat\conftools\install-sh component:

```
#
# install - install a program, script, or datafile
# This comes from X11R5 (mit/util/scripts/install.sh).
#
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```

#

For the test\zb.c component:

```
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=====
```

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

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

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

*/

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

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

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

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

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

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

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

```
Ty Coon, President of Vice
```

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[\[java-1.8.0-openjdk-devel 1.8.0.161 \(LGPL-2.0\)\]](#)

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

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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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[\[java-1.8.0-openjdk-headless 1.8.0.121 \(GPL v2.0 w/CE\)\]](#)

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c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the

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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 Program.

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org.apache.tomcat:tomcat-jasper-el

org.apache.tomcat:tomcat-api

org.apache.tomcat:tomcat-util-scan

org.apache.tomcat:tomcat-util

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  org.apache.tomcat:tomcat-util
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 - org.apache.tomcat:tomcat-util-scan
 - org.apache.tomcat:tomcat-util

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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 Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) 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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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, 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 executable. 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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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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

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

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

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

```
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
```

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

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

```
Gnomovision version 69, Copyright (C) 19yy name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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

You should also get your employer (if you work as a programmer) or your

school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

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

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

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GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts
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the version number 2.1.]

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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.

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

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- 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.
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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.

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

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

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

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.

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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

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```
<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

```
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modify it under the terms of the GNU Lesser General Public
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version 2.1 of the License, or (at your option) any later version.
```

```
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```

```
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Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301
USA
```

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

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

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

library `Frob` (a library for tweaking knobs) written by James Random Hacker.

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

That's all there is to it!

[kibana-oss 6.4.2 (Apache v2.0)]

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```
Pretty handling of logarithmic axes.  
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Created by Arne de Laat  
Set axis.mode to "log" and make the axis logarithmic using transform:  
  axis: {  
    mode: 'log',  
    transform: function(v) {v <= 0 ? Math.log(v) / Math.LN10 : null},  
    inverseTransform: function(v) {Math.pow(10, v)}  
  }
```

The transform filters negative and zero values, because those are invalid on logarithmic scales.

This plugin tries to create good looking logarithmic ticks, using unicode superscript characters. If all data to be plotted is between two powers of ten then the default flot tick generator and renderer are used. Logarithmic ticks are places at powers of ten and at half those values if there are not too many ticks already (e.g. [1, 5, 10, 50, 100]). For details, see <https://github.com/flot/flot/pull/1328>

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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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```

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

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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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```
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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[[lapack 3.4.2 \(BSD\)](#)]

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[lato2ofl 2.015 (OFL 1.1)]

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[[ldap3 2.1.1 \(LGPL v3\)](#)]

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

signature of Ty Coon, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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Version 2, June 1991

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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

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but WITHOUT ANY WARRANTY; without even the implied warranty of  
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
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```

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

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

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

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[libaio 0.3.109 (LGPL-2.0+)]

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Version 2, June 1991

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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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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These

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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.

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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

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

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

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

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

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

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

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

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

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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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.

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7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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

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(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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[liblkid 2.23.2 (LGPL-2.0+)]

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

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

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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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[libdb 5.3.21 (BSD and LGPL-2.0 and Sleepycat)]

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Version 3.1, 31 March 2009

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Version 2, June 1991

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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;

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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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"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

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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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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.
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[\[libgfortran 4.8.5 \(GPLv3 w/Runtime Library Exception\)\]](#)

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

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Version 3.1, 31 March 2009

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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 details.
```

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```
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875c33568b5a4aa4fb3dd0c52ea98f7f0e5ca684

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[libsepol 2.5 (LGPL-2.0+)]

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[libstdc++ 4.8.5 (LGPL v3.0)]

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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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[libtasn1 3.8 (LGPL v2.0+)]

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

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

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

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

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

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[libutempter 1.1.6 (LGPL v2.0+)]

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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

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[libuuid 2.23.2 (BSD)]

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```
/* lib/font/fontfile/gunzip.c
   written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.
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```
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   written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.
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```

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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

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

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5. [6]Michael Barone <michael,barone@lmco.com> GPSVME fixes
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[pandas 0.24.2 (BSD)]

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[paramiko 2.4.1 (LGPL 2.1)]

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```

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(which makes passes at compilers) written
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```
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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(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

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```
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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.

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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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
```

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

That's all there is to it!

[rpm-libs 4.11.3 (LGPLv2+)]

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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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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

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

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

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

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- 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.)

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

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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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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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```
<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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That's all there is to it!

[\[rpm-python 4.11.3 \(GPL-2.0+\)\]](#)

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[rrule 2.5.6 (BSD)]

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```
rrule.js: Library for working with recurrence rules for calendar dates.
=====
```

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./rrule.js and ./test/tests.js is based on python-dateutil. LICENCE:

python-dateutil - Extensions to the standard Python datetime module.
=====

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[rsync 3.0.9 (GPL-3.0+)]

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

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

We call this license the "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.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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

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

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any

application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a

work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a

copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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

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

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[This is the first released version of the library GPL. It is

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Preamble

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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[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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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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

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

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

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

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

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

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- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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

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That's all there is to it!

[\[systemd-python 233 \(LGPL v2\)\]](#)

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

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

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[\[systemd-sysv 219 \(LGPL-2.0+\)\]](#)

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
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[\[vim-common 7.4.629 \(Vim\)\]](#)

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[vim-minimal 7.4.629 (Vim)]

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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

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[\[websocket-servlet 9.4.27.v20200227 \(Apache v2.0\)\]](#)

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The following artifacts are EPL and ASL2.

- * org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.

- * org.eclipse.jetty.orbit:javax.mail.glassfish

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- * 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

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<http://openjdk.java.net/legal/gplv2+ce.html>

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

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org.apache.taglibs:taglibs-standard-impl

MortBay

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 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

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[which 2.20 (GPL v3.0)]

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xmlsec-mscrypto library

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

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