LICENSING BIBLE

Project: **stilo/fileoperationutility**

Branch: **opensource2** (6373ba9d7ccb35960d9d04284ebdf4c60d8a5444)

Created on **2023-10-11 13:02 UTC**

📕 Bill of components

Libraries (java)

✅ antlr:antlr 2.7.6 (compile) (transitive)
   PUBDOM
   BSD
(registry)

✅ aopalliance:aopalliance 1.0 (compile) (transitive)
   PUBDOM
(registry)

✅ asm:asm 3.2 (compile) (transitive)
   BSD-3-Clause-INRIA
(registry)

✅ com.adobe.xmp:xmpcore 6.1.10 (compile) (transitive)
   BSD
(registry)

✅ com.beust:jcommander 1.48 (compile) (transitive)
   Apache-2.0

Copyright 2012, Cedric Beust

(registry)

✅ com.epam:parso 2.0.11 (compile) (transitive)
   Apache-2.0

Copyright (C) 2015 EPAM

(registry)

✅ com.fasterxml.jackson.core:jackson-annotations 2.10.3 (compile) (transitive)
   Apache-2.0
(registry)

✅ com.fasterxml.jackson.core:jackson-core 2.10.3 (compile) (transitive)
   Apache-2.0

Copyright (c) 2007 Tatu Saloranta, tatu.salorantaiki.fi/

(registry)

✅ com.fasterxml.jackson.core:jackson-databind 2.10.3 (compile) (transitive)
   Apache-2.0

Copyright 2011 Google Inc. All Rights Reserved.

(registry)

com.github.jai-imageio:jai-imageio-core 1.4.0 (compile) (transitive)
BSD-3-Clause

Copyright (c) 2005 Sun Microsystems, Inc.Copyright Copyright 2010-2014 University of ManchesterCopyright Copyright 2010-2015 Stian Soiland-ReyesCopyright Copyright 2015 Peter HullAll Rights Reserved.

(registry)

com.github.junrar:junrar 0.7 (compile) (transitive)
NRL

(registry)

com.github.openjson:openjson 1.0.11 (compile) (transitive)
Apache-2.0

Copyright (C) 2010 The Android Open Source Project

(registry)

com.github.virtuald:curvesapi 1.05 (compile) (transitive)
BSD

Copyright (c) 2005, Graph Builder

(registry)

com.google.code.findbugs:jsr305 1.3.9 (compile) (transitive)
Apache-2.0

(registry)

com.google.code.gson:gson 2.2.2 (compile) (transitive)
Apache-2.0

(registry)

com.google.guava:guava 12.0 (compile) (transitive)
Apache-2.0

(registry)

com.google.inject:guice 2.0 (compile) (transitive)
Apache-2.0

(registry)

com.google.protobuf:protobuf-java 3.11.4 (compile) (transitive)
BSD-3-Clause

(registry)

com.google.zxing:core 3.2.1 (compile) (transitive)
Apache-2.0

(registry)

com.google.zxing:javase 3.2.1 (compile) (transitive)
Apache-2.0

(registry)

✅ com.googlecode.json-simple:json-simple 1.1.1 (compile) (transitive)
Apache-2.0
(registry)

✅ com.googlecode.juniversalchardet:juniversalchardet 1.0.3 (compile) (transitive)
MPL-1.1
(registry)

✅ com.googlecode.mp4parser:isoparser 1.1.22 (compile) (transitive)
Apache-2.0
Copyright 2012 Sebastian Annies, Hamburg
(registry)

✅ com.googlecode:reflectasm 1.01 (compile) (transitive)
BSD-2-Clause
(registry)

✅ com.h2database:h2 1.3.165 (compile) (transitive)
MPL2-or-EPL1-H2
(registry)

✅ com.healthmarketscience.jackcess:jackcess 3.0.1 (compile) (transitive)
Apache-2.0
(registry)

✅ com.healthmarketscience.jackcess:jackcess-encrypt 3.0.0 (compile) (transitive)
Apache-2.0
(registry)

✅ com.itextpdf:itextpdf 5.5.4 (compile) (transitive)
AGPL-3.0
(registry)

✅ com.mchange:c3p0 0.9.5.1 (compile) (transitive)
EPL-1.0
LGPL-2.1-only
Copyright (C) 1991, 1999 Free Software Foundation, Inc.51 Franklin Street, Fifth Floor, Boston, MA 021101301 USA
(registry)

✅ com.mchange:mchange-commons-java 0.2.10 (compile) (transitive)
EPL-1.0
LGPL-2.1-only
Copyright (C) 1991, 1999 Free Software Foundation, Inc.51 Franklin Street, Fifth Floor, Boston, MA 021101301 USA
(registry)

✅ com.pff:java-libpst 0.9.3 (compile) (transitive)
Apache-2.0

(registry)

✅ com.rometools:rome 1.12.2 (compile) (transitive)
Apache-2.0

(registry)

✅ com.rometools:rome-utils 1.12.2 (compile) (transitive)
Apache-2.0

(registry)

✅ com.sun.activation:jakarta.activation 1.2.1 (compile) (transitive)
EDL-1.0

(registry)

✅ com.sun.istack:istack-commons-runtime 3.0.8 (compile) (transitive)
EDL-1.0
CDDL-1.1

(registry)

✅ com.sun.jersey.contribs:jersey-multipart 1.11 (compile) (transitive)
CDDL-1.1

(registry)

✅ com.sun.jersey.ri:jax-rs-ri 1.11 (compile) (transitive)
CDDL-1.1

(registry)

✅ com.sun.jersey:jersey-bundle 1.11 (compile) (transitive)
CDDL-1.1

(registry)

✅ com.sun.jersey:jersey-client 1.19.4 (compile) (transitive)
CDDL-1.1

(registry)

✅ com.sun.jersey:jersey-core 1.11 (compile) (transitive)
CDDL-1.1

(registry)

✅ com.sun.jersey:jersey-json 1.17.1 (compile) (transitive)
CDDL-1.1

(registry)

✅ com.sun.jersey:jersey-server 1.11 (compile) (transitive)
CDDL-1.1
(registry)

✅ com.sun.xml.bind:jaxb-impl 2.2.3-1 (compile) (transitive)
CDDL-1.1
(registry)

✅ com.sun.xml.bind:jaxb-xjc 2.2.5-b10 (compile) (transitive)
CDDL-1.1
(registry)

✅ com.sun.xml.fastinfoset:FastInfoset 1.2.16 (compile) (transitive)
Apache-2.0
(registry)

✅ com.sun.xml.ws:jaxws-rt 2.2.10 (compile)
CDDL-1.1
(registry)

✅ com.thoughtworks.xstream:xstream 1.3.1 (compile) (transitive)
BSD
(registry)

✅ commons-beanutils:commons-beanutils 1.8.3 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-beanutils:commons-beanutils-core 1.8.3 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-codec:commons-codec 1.6 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-collections:commons-collections 3.1 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-configuration:commons-configuration 1.9 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-digester:commons-digester 1.8 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-httpclient:commons-httpclient 3.1 (compile) (transitive)
Apache-1.0
(registry)

✅ commons-io:commons-io 2.1 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-io:commons-io 2.3 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-lang:commons-lang 2.6 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-logging:commons-logging 1.1.1 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-logging:commons-logging-api 1.1 (compile) (transitive)
Apache-2.0
(registry)

✅ commons-validator:commons-validator 1.4.0 (compile) (transitive)
Apache-2.0
(registry)

✅ de.l3s.boilerpipe:boilerpipe 1.1.0 (compile) (transitive)
Apache-2.0
(registry)

✅ dom4j:dom4j 1.6.1 (compile) (transitive)
BSD
(registry)

✅ edu.ucar:cdm 4.5.5 (compile) (transitive)
MIT
(registry)

✅ edu.ucar:grib 4.5.5 (compile) (transitive)
MIT
(registry)

✅ edu.ucar:httpservices 4.5.5 (compile) (transitive)
MIT
(registry)

✅ edu.ucar:netcdf4 4.5.5 (compile) (transitive)
   MIT
(registry)

✅ edu.ucar:udunits 4.5.5 (compile) (transitive)
   MIT
(registry)

✅ edu.usc.ir:sentiment-analysis-parser 0.1 (compile) (transitive)
   Apache-2.0
(registry)

✅ guice-multibindings:guice-multibindings 2.0 (compile) (transitive)
   Apache-2.0
(registry)

✅ io.swagger:swagger-annotations 1.5.3 (compile) (transitive)
   Apache-2.0
(registry)

✅ it.eng.utility.fedict.eid-tsl:eid-tsl-core 1.0.0 (compile) (transitive)
   Apache-2.0
   GPL-3.0-or-later
Engineering Ingegneria Informatica S.p.A.
(registry)

✅ it.eng.utility.fileoperation:FileOperationBusiness 0.0.1 (compile)
   Apache-2.0
   GPL-3.0-or-later
Engineering Ingegneria Informatica S.p.A.
(registry)

✅ it.eng.utility.fileoperation:FileOperationWar 1.3.2 (root)
   Apache-2.0
   GPL-3.0-or-later
(registry)

✅ it.eng.utility.fileoperation:archiveUtility 1.0.2 (compile) (transitive)
   Apache-2.0
   GPL-3.0-or-later
Engineering Ingegneria Informatica S.p.A.
(registry)

✅ it.eng.utility:CryptoUtility 0.0.1 (compile) (transitive)
   EUPL-1.2
   GPL-3.0-or-later
(registry)

✓ it.eng.utility:DynamicCodeDetector 1.0.13 (compile) (transitive)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✓ it.eng.utility:FileUtility 1.0.1 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✓ it.eng.utility:HsmClient 1.0.8 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✓ it.eng.utility:MITyCLib 1.0.2 (compile) (transitive)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✓ it.eng.utility:Multivalent20060102 0.0.1 (compile) (transitive)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✓ it.eng.utility:OOManager 1.9.7 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✓ it.eng.utility:PdfUtility 1.0.1 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:SezioneCache 1.0.4 (compile) (transitive)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:SpringUtility 1.0.1 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:annotation-module 1.0.1 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:core-module 1.0.5 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:cryptosigner 1.0.15 (compile) (transitive)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:itext-pdfa 5.5.13 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:itextpdf 5.5.13 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:jackson-all 1.9.5 (compile)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.
(registry)

✅ it.eng.utility:jaxp-ri 1.4.5 (compile)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.
(registry)

✅ it.eng.utility:jodconverter-core 4.2.2 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.
(registry)

✅ it.eng.utility:jodconverter-local 4.2.2 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.
(registry)

✅ it.eng.utility:jodconverter-online 4.2.0 (compile) (transitive)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.
(registry)

✅ it.eng.utility:jss 4.2.5 (compile) (transitive)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.
(registry)

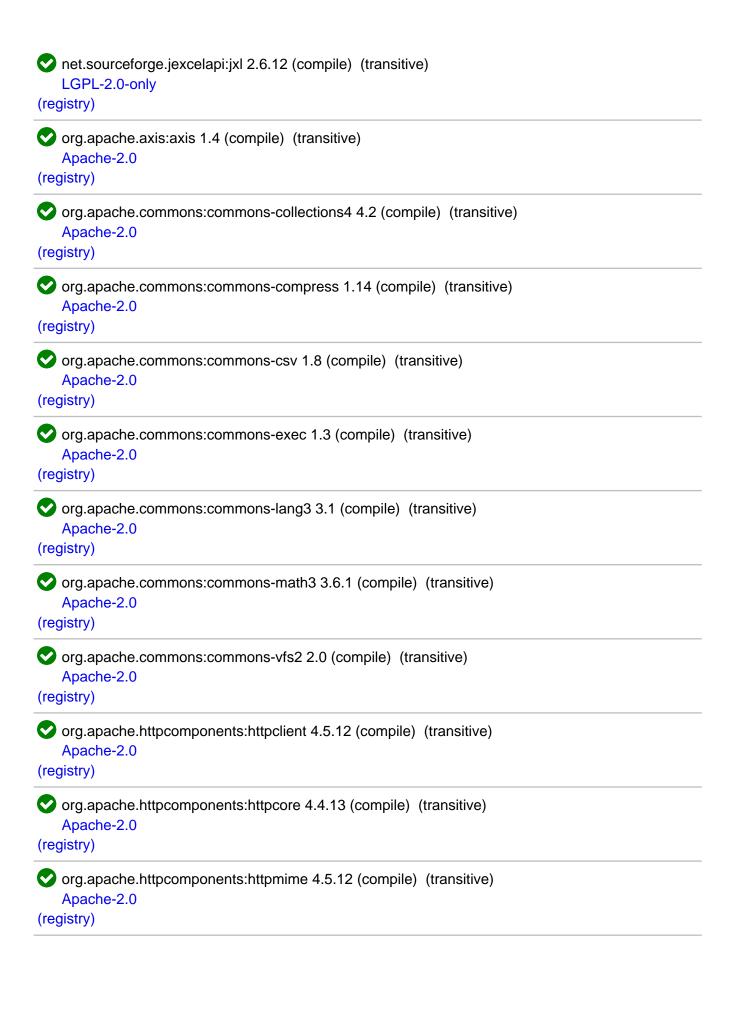✅ it.eng.utility:mimeDb 1.0.1 (compile) (transitive)
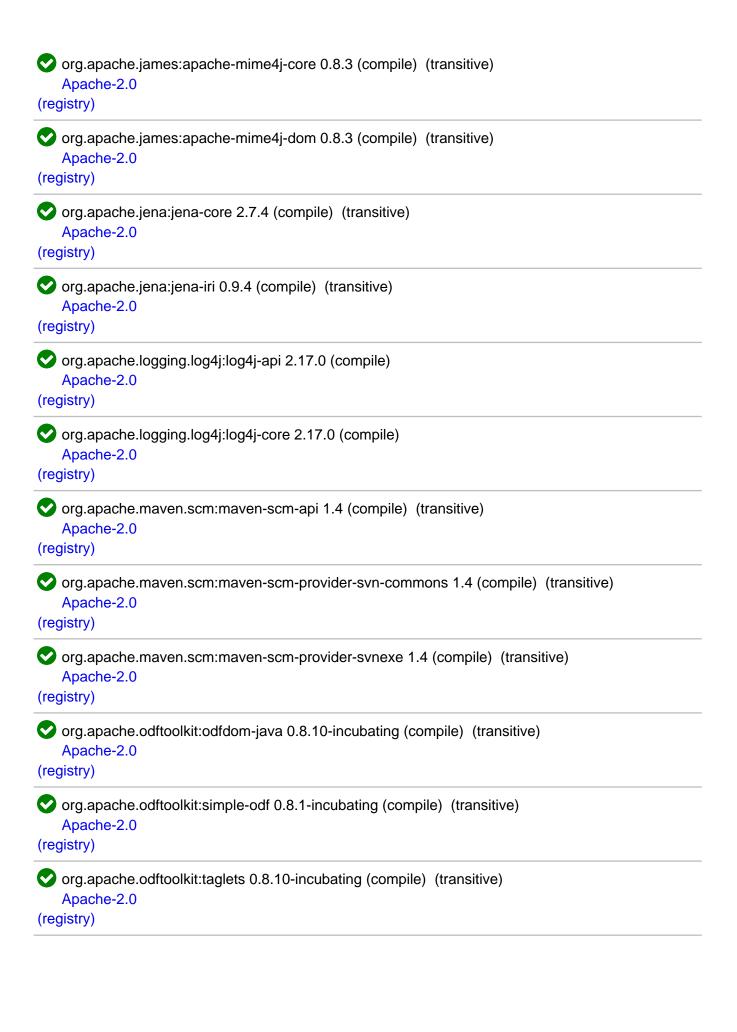EUPL-1.2
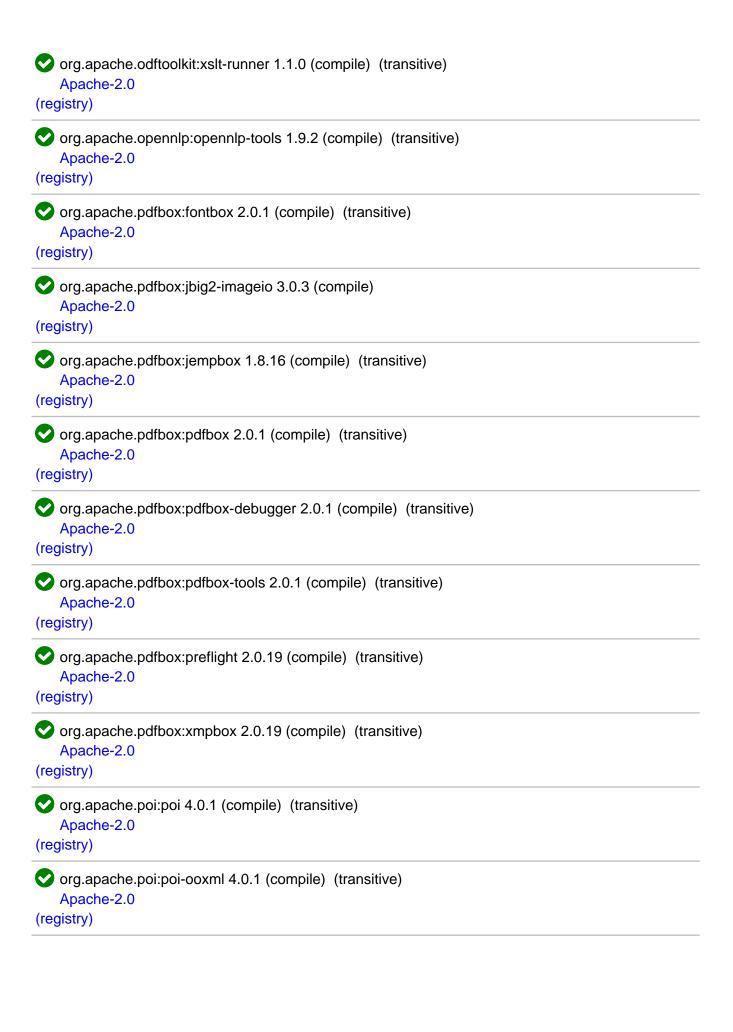GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.
(registry)

✅ it.eng.utility:mimecontroller 1.0.9 (compile) (transitive)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:ojdbc7 12.1.0.2 (compile)
EUPL-1.2
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ it.eng.utility:xmlsec 1.4.3 (compile) (transitive)
Apache-2.0
GPL-3.0-or-later

Engineering Ingegneria Informatica S.p.A.

(registry)

✅ jakarta.xml.bind:jakarta.xml.bind-api 2.3.2 (compile) (transitive)
EDL-1.0

(registry)

✅ javassist:javassist 3.12.1.GA (compile) (transitive)
LGPL-2.1-only
MPL-1.1

(registry)

✅ javax.activation:activation 1.1 (compile) (transitive)
CDDL-1.0

(registry)

✅ javax.annotation:javax.annotation-api 1.3.2 (compile) (transitive)
CDDL-1.1
Apache-2.0

Copyright (C) 1989, 1991 Free Software Foundation, Inc.51 Franklin Street, Fifth FloorBoston, MA 02110-1335USA

(registry)

✅ javax.mail:mail 1.4 (compile) (transitive)
CDDL-1.0
CDDL-1.1

(registry)

✅ javax.measure:unit-api 1.0 (compile) (transitive)
BSD

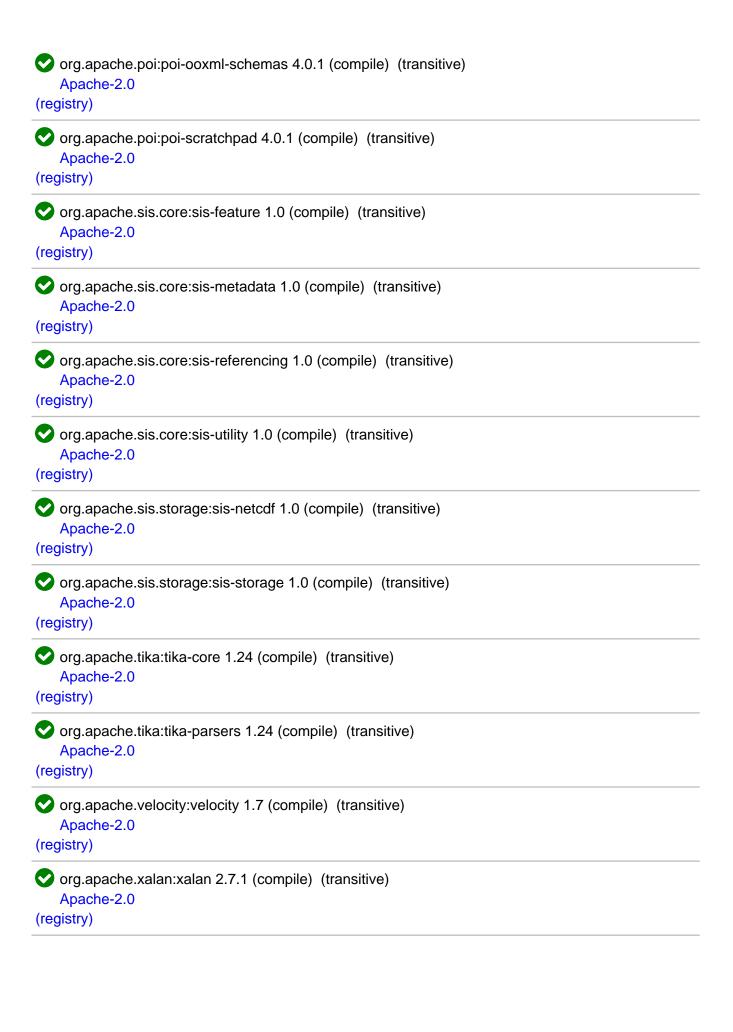Copyright (c) 2014-2020, Jean-Marie Dautelle, Werner Keil, Otavio Santana.

(registry)

✓ javax.media:jai-core 1.1.3 (compile)
  AAL
(registry)

✓ javax.media:jai_codec 1.1.3 (compile)
  BSD
(registry)

✓ javax.media:jai_imageio 1.1 (compile)
  BSD
(registry)

✓ javax.servlet:servlet-api 2.3 (provided)
  GPL-2.0
(registry)

✓ javax.transaction:jta 1.1 (compile) (transitive)
  CDDL-1.1
(registry)

✓ javax.xml.bind:jaxb-api 2.2.4 (compile) (transitive)
  CDDL-1.1
(registry)

✓ javax.xml.soap:saaj-api 1.3.4 (compile) (transitive)
  CDDL-1.0
  CNRI-Python-GPL-Compatible
  CDDL-1.1
(registry)

✓ javax.xml.stream:stax-api 1.0-2 (compile) (transitive)
  CDDL-1.0
(registry)

✓ javax.xml.ws:jaxws-api 2.2.8 (compile) (transitive)
  CDDL-1.1
(registry)

✓ javax.xml:jaxrpc-api 1.1 (compile) (transitive)
  CDDL
(registry)

✓ jmimemagic:jmimemagic 0.1.2 (compile) (transitive)
  iMatix
(registry)

✅ joda-time:joda-time 2.1 (compile) (transitive)
　　Apache-2.0
Copyright 20012010 Stephen Colebourne
(registry)

✅ junit:junit 4.9 (compile) (transitive)
　　CPL-1.0
(registry)

✅ log4j:log4j 1.2.16 (compile) (transitive)
　　Apache-2.0
(registry)

✅ net.java.dev.jna:jna 5.5.0 (compile) (transitive)
　　Apache-2.0
　　LGPL-2.1-only
Copyright (C) 1989, 1991 Free Software Foundation, Inc.,51 Franklin Street, Fifth Floor, Boston, MA 021101301 USAEveryone is permitted
to copy and distribute verbatim copiesof this license document, but changing it is not allowed.
(registry)

✅ net.jcip:jcip-annotations 1.0 (compile) (transitive)
　　BSD
(registry)

✅ net.rootdev:java-rdfa 0.4.2 (compile) (transitive)
　　BSD
Copyright (c) 2009 Sun Microsystems, Inc.901 San Antonio Road, Palo Alto, CA 94303 USA.All rights reserved.
(registry)

✅ net.sf.ehcache:ehcache-core 2.6.2 (compile) (transitive)
　　Apache-2.0
(registry)

✅ net.sf.mpxj:mpxj 3.2.0 (compile) (transitive)
　　GPL-3.0-or-later
　　LGPL-3.0
(registry)

✅ net.sf.saxon:saxon 8.7 (compile) (transitive)
　　MPL-1.0
(registry)

✅ net.sf.saxon:saxon-dom 8.7 (compile) (transitive)
　　MPL-1.0
(registry)

✅ net.sourceforge.jexcelapi:jxl 2.6.12 (compile) (transitive)
  LGPL-2.0-only
(registry)

✅ org.apache.axis:axis 1.4 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.commons:commons-collections4 4.2 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.commons:commons-compress 1.14 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.commons:commons-csv 1.8 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.commons:commons-exec 1.3 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.commons:commons-lang3 3.1 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.commons:commons-math3 3.6.1 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.commons:commons-vfs2 2.0 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.httpcomponents:httpclient 4.5.12 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.httpcomponents:httpcore 4.4.13 (compile) (transitive)
  Apache-2.0
(registry)

✅ org.apache.httpcomponents:httpmime 4.5.12 (compile) (transitive)
  Apache-2.0
(registry)

org.apache.james:apache-mime4j-core 0.8.3 (compile) (transitive)
Apache-2.0
(registry)

org.apache.james:apache-mime4j-dom 0.8.3 (compile) (transitive)
Apache-2.0
(registry)

org.apache.jena:jena-core 2.7.4 (compile) (transitive)
Apache-2.0
(registry)

org.apache.jena:jena-iri 0.9.4 (compile) (transitive)
Apache-2.0
(registry)

org.apache.logging.log4j:log4j-api 2.17.0 (compile)
Apache-2.0
(registry)

org.apache.logging.log4j:log4j-core 2.17.0 (compile)
Apache-2.0
(registry)

org.apache.maven.scm:maven-scm-api 1.4 (compile) (transitive)
Apache-2.0
(registry)

org.apache.maven.scm:maven-scm-provider-svn-commons 1.4 (compile) (transitive)
Apache-2.0
(registry)

org.apache.maven.scm:maven-scm-provider-svnexe 1.4 (compile) (transitive)
Apache-2.0
(registry)

org.apache.odftoolkit:odfdom-java 0.8.10-incubating (compile) (transitive)
Apache-2.0
(registry)

org.apache.odftoolkit:simple-odf 0.8.1-incubating (compile) (transitive)
Apache-2.0
(registry)

org.apache.odftoolkit:taglets 0.8.10-incubating (compile) (transitive)
Apache-2.0
(registry)

org.apache.odftoolkit:xslt-runner 1.1.0 (compile) (transitive)
Apache-2.0
(registry)

org.apache.opennlp:opennlp-tools 1.9.2 (compile) (transitive)
Apache-2.0
(registry)

org.apache.pdfbox:fontbox 2.0.1 (compile) (transitive)
Apache-2.0
(registry)

org.apache.pdfbox:jbig2-imageio 3.0.3 (compile)
Apache-2.0
(registry)

org.apache.pdfbox:jempbox 1.8.16 (compile) (transitive)
Apache-2.0
(registry)

org.apache.pdfbox:pdfbox 2.0.1 (compile) (transitive)
Apache-2.0
(registry)

org.apache.pdfbox:pdfbox-debugger 2.0.1 (compile) (transitive)
Apache-2.0
(registry)

org.apache.pdfbox:pdfbox-tools 2.0.1 (compile) (transitive)
Apache-2.0
(registry)

org.apache.pdfbox:preflight 2.0.19 (compile) (transitive)
Apache-2.0
(registry)

org.apache.pdfbox:xmpbox 2.0.19 (compile) (transitive)
Apache-2.0
(registry)

org.apache.poi:poi 4.0.1 (compile) (transitive)
Apache-2.0
(registry)

org.apache.poi:poi-ooxml 4.0.1 (compile) (transitive)
Apache-2.0
(registry)

org.apache.poi:poi-ooxml-schemas 4.0.1 (compile) (transitive)
Apache-2.0
(registry)

org.apache.poi:poi-scratchpad 4.0.1 (compile) (transitive)
Apache-2.0
(registry)

org.apache.sis.core:sis-feature 1.0 (compile) (transitive)
Apache-2.0
(registry)

org.apache.sis.core:sis-metadata 1.0 (compile) (transitive)
Apache-2.0
(registry)

org.apache.sis.core:sis-referencing 1.0 (compile) (transitive)
Apache-2.0
(registry)

org.apache.sis.core:sis-utility 1.0 (compile) (transitive)
Apache-2.0
(registry)

org.apache.sis.storage:sis-netcdf 1.0 (compile) (transitive)
Apache-2.0
(registry)

org.apache.sis.storage:sis-storage 1.0 (compile) (transitive)
Apache-2.0
(registry)

org.apache.tika:tika-core 1.24 (compile) (transitive)
Apache-2.0
(registry)

org.apache.tika:tika-parsers 1.24 (compile) (transitive)
Apache-2.0
(registry)

org.apache.velocity:velocity 1.7 (compile) (transitive)
Apache-2.0
(registry)

org.apache.xalan:xalan 2.7.1 (compile) (transitive)
Apache-2.0
(registry)

✅ org.apache.xmlbeans:xmlbeans 3.0.2 (compile) (transitive)
   Apache-2.0
(registry)

✅ org.apache:xmlsec 1.4.3 (compile) (transitive)
   Apache-2.0
(registry)

✅ org.bouncycastle:bcmail-jdk15on 1.53 (compile) (transitive)
   CDDL+GPL

Copyright (c) 20002023 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org)
(registry)

✅ org.bouncycastle:bcpkix-jdk15on 1.53 (compile) (transitive)
   CDDL+GPL

Copyright (c) 20002023 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org)
(registry)

✅ org.bouncycastle:bcprov-jdk15on 1.53 (compile) (transitive)
   CDDL+GPL

Copyright (c) 20002023 The Legion of the Bouncy Castle Inc. (https://www.bouncycastle.org)
(registry)

✅ org.brotli:dec 0.1.2 (compile) (transitive)
   MIT
(registry)

✅ org.ccil.cowan.tagsoup:tagsoup 1.2.1 (compile) (transitive)
   Apache-2.0
(registry)

✅ org.codehaus.jackson:jackson-core-asl 1.9.2 (compile) (transitive)
   Apache-2.0
(registry)

✅ org.codehaus.jackson:jackson-jaxrs 1.9.2 (compile) (transitive)
   Apache-2.0
   LGPL-2.1-only
(registry)

✅ org.codehaus.jackson:jackson-mapper-asl 1.9.2 (compile) (transitive)
   Apache-2.0
(registry)

✅ org.codehaus.jackson:jackson-xc 1.9.2 (compile) (transitive)
Apache-2.0
LGPL-2.1-only
(registry)

✅ org.codehaus.jettison:jettison 1.1 (compile) (transitive)
Apache-2.0
(registry)

✅ org.codehaus.plexus:plexus-utils 1.5.6 (compile) (transitive)
Apache-2.0
(registry)

✅ org.codelibs:jhighlight 1.0.3 (compile) (transitive)
CDDL-1.0
Copyright 20012006 Geert Bevin ,
(registry)

✅ org.dbunit:dbunit 2.4.8 (compile) (transitive)
LGPL-2.1-only
(registry)

✅ org.gagravarr:vorbis-java-core 0.8 (compile) (transitive)
Apache-2.0
(registry)

✅ org.gagravarr:vorbis-java-tika 0.8 (compile) (transitive)
Apache-2.0
(registry)

✅ org.glassfish.jaxb:jaxb-runtime 2.3.2 (compile) (transitive)
CDDL-1.1
GPL-3.0-with-GCC-exception
EDL-1.0
(registry)

✅ org.glassfish.jaxb:txw2 2.3.2 (compile) (transitive)
CDDL-1.1
GPL-2.0-with-GCC-exception
EDL-1.0
(registry)

✅ org.hamcrest:hamcrest-core 1.1 (compile) (transitive)
BSD-2-Clause
(registry)

✅ org.hibernate.javax.persistence:hibernate-jpa-2.0-api 1.0.1.Final (compile) (transitive)
MIT
Apache-2.0
(registry)

✅ org.hibernate:hibernate-c3p0 3.6.10.Final (compile)
LGPL-2.1-only
(registry)

✅ org.hibernate:hibernate-commons-annotations 3.2.0.Final (compile) (transitive)
LGPL-2.0-only
(registry)

✅ org.hibernate:hibernate-core 3.6.10.Final (compile) (transitive)
LGPL-2.1
(registry)

✅ org.itadaki:bzip2 0.9.1 (compile) (transitive)
MIT
(registry)

✅ org.jdom:jdom2 2.0.6 (compile) (transitive)
Saxpath
Copyright (C) 2000-2012 Jason Hunter & Brett McLaughlin.
(registry)

✅ org.jsoup:jsoup 1.8.1 (compile) (transitive)
MIT
Copyright (c) 2009-2023 Jonathan Hedley "https://jsoup.org/" (https://jsoup.org/)
(registry)

✅ org.jvnet.staxex:stax-ex 1.8.1 (compile) (transitive)
CDDL-1.1
EDL-1.0
Copyright (c) 2017 Oracle and/or its affiliates. All rights reserved.Redistribution and use in source and binary forms, with or withoutmodification, are permitted provided that the following conditionsare met: - Redistributions of source code must retain the above copyright   notice, this list of conditions and the following disclaimer. - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the   documentation and/or other materials provided with the distribution. - Neither the name of the Eclipse Foundation, Inc. nor the names of its   contributors may be used to endorse or promote products derived from this software without specific prior written permission.THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "ASIS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO,THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULARPURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER ORCONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL,EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO,PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, ORPROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OFLIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDINGNEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THISSOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
(registry)

✅ org.odftoolkit:odfdom-java 0.8.6 (compile) (transitive)
Apache-2.0
(registry)

✅ org.opengis:geoapi 3.0.1 (compile) (transitive)
OGC-copyright

(registry)

✓ org.openoffice:juh 3.0.1 (compile) (transitive)
   LGPL-3.0-only
(registry)

✓ org.openoffice:jurt 3.0.1 (compile) (transitive)
   LGPL-3.0-only
(registry)

✓ org.openoffice:ridl 3.0.1 (compile) (transitive)
   LGPL-3.0-only
(registry)

✓ org.openoffice:unoil 3.0.1 (compile) (transitive)
   LGPL-3.0-only
(registry)

✓ org.ow2.asm:asm 7.3.1 (compile) (transitive)
   BSD-3-Clause
(registry)

✓ org.python:jython 2.7.0 (compile) (transitive)
   CNRI-Jython
(registry)

✓ org.quartz-scheduler:quartz 1.8.6 (compile) (transitive)
   Apache-2.0
(registry)

✓ org.reflections:reflections 0.9.7 (compile) (transitive)
   BSD
   WTFPL
   DSDP
(registry)

✓ org.semanticdesktop.aperture:aperture-mime-identifier-core 1.4.0 (compile) (transitive)
   BSD
(registry)

✓ org.semanticdesktop.aperture:aperture-mime-identifier-magic 1.4.0 (compile) (transitive)
   BSD
(registry)

✓ org.semanticdesktop.aperture:aperture-util 1.4.0 (compile) (transitive)
   BSD
(registry)

✅ org.semweb4j:rdf2go.api 4.6.2 (compile) (transitive)
   DSDP
(registry)

✅ org.slf4j:jcl-over-slf4j 1.7.28 (compile) (transitive)
   MIT
   Apache-2.0
(registry)

✅ org.slf4j:jul-to-slf4j 1.7.28 (compile) (transitive)
   MIT
(registry)

✅ org.slf4j:slf4j-api 1.6.1 (compile) (transitive)
   MIT
(registry)

✅ org.slf4j:slf4j-api 1.6.4 (compile) (transitive)
   MIT
(registry)

✅ org.slf4j:slf4j-log4j12 1.6.4 (compile) (transitive)
   MIT
(registry)

✅ org.springframework:spring-aop 3.1.2.RELEASE (compile) (transitive)
   Apache-2.0
(registry)

✅ org.springframework:spring-asm 3.1.0.RELEASE (compile) (transitive)
   Apache-2.0
(registry)

✅ org.springframework:spring-beans 3.1.0.RELEASE (compile) (transitive)
   Apache-2.0
(registry)

✅ org.springframework:spring-context 3.1.0.RELEASE (compile) (transitive)
   Apache-2.0
(registry)

✅ org.springframework:spring-context-support 3.1.2.RELEASE (compile) (transitive)
   Apache-2.0
(registry)

✅ org.springframework:spring-core 3.1.0.RELEASE (compile) (transitive)
   Apache-2.0
(registry)

✅ org.springframework:spring-expression 3.1.0.RELEASE (compile) (transitive)
Apache-2.0
(registry)

✅ org.springframework:spring-tx 3.1.2.RELEASE (compile) (transitive)
Apache-2.0
(registry)

✅ org.springframework:spring-web 3.1.0.RELEASE (compile) (transitive)
Apache-2.0
(registry)

✅ org.springframework:spring-webmvc 4.0.6.RELEASE (compile) (transitive)
Apache-2.0
Copyright 20042008 the original author or authors.
(registry)

✅ org.tallison.xmp:xmpcore-shaded 6.1.10 (compile) (transitive)
Apache-2.0
Copyright (c) 2009, Adobe Systems Incorporated All rights reserved.
(registry)

✅ org.tallison:jmatio 1.5 (compile) (transitive)
BSD
Copyright (c) 2006, Wojciech GradkowskiAll rights reserved.
(registry)

✅ org.tallison:metadata-extractor 2.13.0 (compile) (transitive)
Apache-2.0
Copyright 2002-2020 Drew Noakes and contributors
(registry)

✅ org.tukaani:xz 1.6 (compile) (transitive)
PUBDOM
(registry)

✅ oro:oro 2.0.8 (compile) (transitive)
Apache-1.1
(registry)

✅ postgresql:postgresql 9.1-901.jdbc4 (compile) (transitive)
BSD
(registry)

✅ regexp:regexp 1.3 (compile) (transitive)
Apache-2.0
(registry)

✅ xalan:serializer 2.7.1 (compile)
    Apache-2.0
(registry)

✅ xalan:xalan 2.7.1 (compile)
    Apache-2.0
(registry)

✅ xerces:xercesImpl 2.9.1 (compile) (transitive)
    Apache-2.0
(registry)

✅ xml-apis:xml-apis 1.3.04 (compile) (transitive)
    ISC
    Apache-2.0
(registry)

✅ xml-apis:xmlParserAPIs 2.0.2 (compile) (transitive)
    Apache-2.0
(registry)

✅ xpp3:xpp3_min 1.1.4c (compile) (transitive)
    Unlicense
    PUBDOM
(registry)

📖 LICENSING BIBLE

List of all licenses found in this scan
Please note that we were not able to find the text for all the licenses listed

Attribution Assurance License	AAL
GNU Affero General Public License v3.0	AGPL-3.0
Apache License 1.0	Apache-1.0
Apache License 1.1	Apache-1.1
Apache License 2.0	Apache-2.0
BSD License (Generic)	BSD
BSD 2-Clause "Simplified" License	BSD-2-Clause
BSD 3-Clause "New" or "Revised" License	BSD-3-Clause
BSD 3-Clause Clear License, INRIA	BSD-3-Clause-INRIA
CDDL License (Generic)	CDDL
CDDL+GPL License (Jersey)	CDDL+GPL
Common Development and Distribution License 1.0	CDDL-1.0
Common Development and Distribution License 1.1	CDDL-1.1
CNRI Jython License	CNRI-Jython
CNRI Python Open Source GPL Compatible License Agreement	CNRI-Python-GPL-Compatible
Common Public License 1.0	CPL-1.0
DSDP License	DSDP
Eclipse Distribution License 1.0 (BSD)	EDL-1.0
Eclipse Public License 1.0	EPL-1.0
European Union Public License 1.2	EUPL-1.2
GNU General Public License v2.0 only	GPL-2.0
GNU General Public License v2.0 w/GCC Runtime Library exception	GPL-2.0-with-GCC-exception
GNU General Public License v3.0 or later	GPL-3.0-or-later
GNU General Public License v3.0 w/GCC Runtime Library exception	GPL-3.0-with-GCC-exception
ISC License	ISC
GNU Library General Public License v2 only	LGPL-2.0-only
GNU Lesser General Public License v2.1 only	LGPL-2.1
GNU Lesser General Public License v2.1 only	LGPL-2.1-only

GNU Lesser General Public License v3.0 only	LGPL-3.0
GNU Lesser General Public License v3.0 only	LGPL-3.0-only
MIT License	MIT
Mozilla Public License 1.0	MPL-1.0
Mozilla Public License 1.1	MPL-1.1
MPL 2.0 or EPL 1.0 (H2)	MPL2-or-EPL1-H2
NRL License	NRL
OGC copyright	OGC-copyright
Public Domain	PUBDOM
Saxpath License	Saxpath
The Unlicense	Unlicense
Do What The F*ck You Want To Public License	WTFPL
iMatix Standard Function Library Agreement	iMatix

Attribution Assurance License

Attribution Assurance License

Copyright (c) 2002 by AUTHOR PROFESSIONAL IDENTIFICATION * URL "PROMOTIONAL SLOGAN FOR AUTHOR'S PROFESSIONAL PRACTICE"

ATTRIBUTION ASSURANCE LICENSE (adapted from the original BSD license)

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the conditions below are met. These conditions require a modest attribution to <AUTHOR> (the "Author"), who hopes that its promotional value may help justify the thousands of dollars in otherwise billable time invested in writing this and other freely available, open-source software.

1. Redistributions of source code, in whole or part and with or without modification (the "Code"), must prominently display this GPG-signed text in verifiable form.

2. Redistributions of the Code in binary form must be accompanied by this GPG-signed text in any documentation and, each time the resulting executable program or a program dependent thereon is launched, a prominent display (e.g., splash screen or banner text) of the Author's attribution information, which includes:

    (a) Name ("AUTHOR"),
    (b) Professional identification ("PROFESSIONAL IDENTIFICATION"), and
    (c) URL ("URL").

3. Neither the name nor any trademark of the Author may be used to endorse or promote products derived from this software without specific prior written permission.

4. Users are entirely responsible, to the exclusion of the Author and any other persons, for compliance with (1) regulations set by owners or administrators of employed equipment, (2) licensing terms of any other software, and (3) local regulations regarding use, including those regarding import, export, and use of encryption software.

THIS FREE SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR ANY CONTRIBUTOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, EFFECTS OF UNAUTHORIZED OR MALICIOUS NETWORK ACCESS; PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

GNU Affero General Public License v3.0

https://opensource.org/licenses/AGPL-3.0

GNU Affero General Public License version 3 Open Source Initiative Skip to content <> <https://opensource.org>
 * About <https://opensource.org/about/>
 * Programs <https://opensource.org/programs/>
 * Licenses <https://opensource.org/licenses/>
 * Open Source Definition <https://opensource.org/osd/>
 * News <https://blog.opensource.org>
 * Join <https://members.opensource.org/join/>
 * About <https://opensource.org/about/>
 * Programs <https://opensource.org/programs/>
 * Licenses <https://opensource.org/licenses/>
 * Open Source Definition <https://opensource.org/osd/>
 * News <https://blog.opensource.org>
 * Join <https://members.opensource.org/join/> Open Main Menu
Search Our Site

Search
Search for:
 * Uncategorized <https://opensource.org/licenses/?categories=uncategorized>
GNU Affero General Public License version 3

Version 3.0Submitted: January 30, 2008
<https://lists.opensource.org/pipermail/license-review_lists.opensource.org/2008-January/000058.html>
Submitter: Stefano MaffulliApproved: March 3, 2008 Board minutes
<https://opensource.org/meeting-minutes/minutes20080312/> SPDX short
identifier: AGPL-3.0-only
Steward:
 * Free Software Foundation
<https://opensource.org/steward/free-software-foundation/> Link to license
steward's version <https://www.gnu.org/licenses/agpl-3.0.html>
Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
 Everyone is permitted to copy and distribute verbatim copies of this license
document, but changing it is not allowed.

Preamble

The GNU Affero General Public License is a free, copyleft license for software
and other kinds of works, specifically designed to ensure cooperation with the
community in the case of network server software.

The licenses for most software and other practical works are designed to take
away your freedom to share and change the works. By contrast, our General
Public Licenses are intended to guarantee your freedom to share and change all
versions of a programto make sure it remains free software for all its users.

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

Developers that use our General Public Licenses protect your rights with two
steps: (1) assert copyright on the software, and (2) offer you this License
which gives you legal permission to copy, distribute and/or modify the software.

A secondary benefit of defending all users freedom is that improvements made
in alternate versions of the program, if they receive widespread use, become
available for other developers to incorporate. Many developers of free software
are heartened and encouraged by the resulting cooperation. However, in the case
of software used on network servers, this result may fail to come about. The
GNU General Public License permits making a modified version and letting the
public access it on a server without ever releasing its source code to the
public.

The GNU Affero General Public License is designed specifically to ensure that,
in such cases, the modified source code becomes available to the community. It
requires the operator of a network server to provide the source code of the
modified version running there to the users of that server. Therefore, public
use of a modified version, on a publicly accessible server, gives the public
access to the source code of the modified version.

An older license, called the Affero General Public License and published by Affero, was designed to accomplish similar goals. This is a different license, not a version of the Affero GPL, but Affero has released a new version of the Affero GPL which permits relicensing under this license.

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

TERMS AND CONDITIONS

0. Definitions.

This License refers to version 3 of the GNU Affero General Public License.

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

The Program refers to any copyrightable work licensed under this License. Each licensee is addressed as you. Licensees and recipients may be individuals or organizations.

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

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

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

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

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

1. Source Code.

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

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

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

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

other parts of the work.

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

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

2. Basic Permissions.

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

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

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

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

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

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

4. Conveying Verbatim Copies.

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

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

5. Conveying Modified Source Versions.

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

 * a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
 * b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to keep intact all notices.
 * c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
 * d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do

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

6. Conveying Non-Source Forms.

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

 * a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.
 * b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
 * c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
 * d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
 * e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.
A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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

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

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

work has been installed in ROM).

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

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

7. Additional Terms.

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

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

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

 * a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or
 * b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or
 * c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or
 * d) Limiting the use for publicity purposes of names of licensors or authors of the material; or
 * e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or
 * f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.
All other non-permissive additional terms are considered further restrictions within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, you may add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

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

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

8. Termination.

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

However, if you cease all violation of this License, then your license from a

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

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

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

9. Acceptance Not Required for Having Copies.

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

10. Automatic Licensing of Downstream Recipients.

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

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

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

11. Patents.

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

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

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

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

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

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

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

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

12. No Surrender of Others Freedom.

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

13. Remote Network Interaction; Use with the GNU General Public License.

Notwithstanding any other provision of this License, if you modify the Program, your modified version must prominently offer all users interacting with it remotely through a computer network (if your version supports such interaction) an opportunity to receive the Corresponding Source of your version by providing access to the Corresponding Source from a network server at no charge, through some standard or customary means of facilitating copying of software. This Corresponding Source shall include the Corresponding Source for any work covered by version 3 of the GNU General Public License that is incorporated pursuant to the following paragraph.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the work with which it is combined will remain governed by version 3 of the GNU General Public License.

14. Revised Versions of this License.

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

Each version is given a distinguishing version number. If the Program

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

If the Program specifies that a proxy can decide which future versions of the
GNU Affero General Public License can be used, that proxys public statement of
acceptance of a version permanently authorizes you to choose that version for
the Program.

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

15. Disclaimer of Warranty.

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

16. Limitation of Liability.

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

17. Interpretation of Sections 15 and 16.

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

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

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

To do so, attach the following notices to the program. It is safest to attach
them to the start of each source file to most effectively state the exclusion
of warranty; and each file should have at least the copyright line and a
pointer to where the full notice is found.
 <one line to give the program's name and a brief idea of what it does.>
Copyright (C) <year> <name of author> This program is free software: you can
redistribute it and/or modify it under the terms of the GNU Affero General
Public License as published by the Free Software Foundation, either version 3
of the License, or (at your option) any later version. This program is
distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY;
without even the implied warranty of MERCHANTABILITY or FITNESS FOR A
PARTICULAR PURPOSE. See the GNU Affero General Public License for more details.
You should have received a copy of the GNU Affero General Public License along
with this program. If not, see <http://www.gnu.org/licenses/>.
Also add information on how to contact you by electronic and paper mail.

If your software can interact with users remotely through a computer network,
you should also make sure that it provides a way for users to get its source.
For example, if your program is a web application, its interface could display
a Source link that leads users to an archive of the code. There are many ways
you could offer source, and different solutions will be better for different
programs; see section 13 for the specific requirements.

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

any, to sign a copyright disclaimer for the program, if necessary. For more information on this, and how to apply and follow the GNU AGPL, see <http://www.gnu.org/licenses/>.
Join Us <https://opensource.org/join/>

 * Mastodon <https://social.opensource.org/@osi>
 * Twitter <https://twitter.com/OpenSourceOrg>
 * LinkedIn <https://www.linkedin.com/company/open-source-initiative-osi->

About

 * About <https://opensource.org/about/>
 * Staff <https://opensource.org/volunteersandstaff/>
 * Associations <https://opensource.org/associations/>
 * Affiliates <https://opensource.org/affiliates/>
 * Articles of Incorporation <https://opensource.org/articles-of-incorporation/>
 * Bylaws <https://opensource.org/bylaws/>
 * History <https://opensource.org/history/>
 * Privacy policy <https://opensource.org/privacy/>
Licenses

 * Open Source Definition <https://opensource.org/osd/>
 * Licenses <https://opensource.org/licenses/>
 * License Review Process <https://opensource.org/licenses/review-process/>
 * Open Standards Requirement for Software <https://opensource.org/osr/>
Board

 * Board of Directors <https://opensource.org/about/board-of-directors/>
 * Minutes <https://opensource.org/minutes/>
 * Elections <https://opensource.org/about/board-of-directors/elections/>
 * Organization & Operations <https://opensource.org/organization/>
 * Conflict of Interest Policy <https://opensource.org/conflict_of_interest_policy/>
 * Board member agreement <https://opensource.org/board/board-member-agreement/>
Trademark and logo

 * OSI Trademark Guidelines <https://opensource.org/trademark-guidelines/>
 * OSI Logo Files <https://opensource.org/osi-logo-files/>
 * Logo Usage Guidelines <https://opensource.org/logo-usage-guidelines/>
Community

 * Resources <https://opensource.org/resources/>
 * Become an Individual Member <https://opensource.org/members/>
 * Events <https://opensource.org/events/>
 * Become an OSI Affiliate <https://opensource.org/affiliates/about/>
 * Affiliate Organizations <https://opensource.org/affiliates/>
Proudly powered by WordPress.
<https://wordpress.com/wp/?partner_domain=opensource.
org&utm_source=Automattic&utm_medium=colophon&utm_campaign=Concierge%20Referral&utm_term=opensource.org>
Hosted by Pressable.
<https://pressable.com/?utm_source=Automattic&utm_medium=rpc&utm_campaign=Concierge%20Referral&utm_term=concierge>

Apache License 1.0

Apache License 1.1

https://spdx.org/licenses/Apache-1.1.html

Apache License 1.1

Apache License 2.0

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.

3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.

4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:

    (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and

    (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

    (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

    (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify

the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

   You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.

7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software
distributed under the License is distributed on an "AS IS" BASIS,
WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.

BSD License (Generic)

BSD license definition LINFO <>

BSD License Definition * <>

 The BSD license is a class of extremely simple and very liberal licenses for computer software that was originally developed at the University of California at Berkeley (UCB). It was first used in 1980 for theBerkeley Source Distribution (BSD), also known as BSD UNIX, an enhanced version of the original UNIX operating system that was first written in 1969 by Ken Thompson at Bell Labs.

 The only restrictions placed on users of software released under a typical BSD license are that if they redistribute such software in any form, with or without modification, they must include in the redistribution (1) the original copyright notice, (2) a list of two simple restrictions and (3) a disclaimer of liability. These restrictions can be summarized as (1) one should not claim that they wrote the software if they did not write it and (2) one should not sue the developer if the software does not function as expected or as desired. Some BSD licenses additionally include a clause that restricts the use of the name of the project (or the names of its contributors) for endorsing or promotingderivative works.

 The most basic definition of a derivative work is a product that is based on, or incorporates, one or more already existing works. This can become a complex issue, particularly with regard to software, but the primary indicator that a software program is a derivative of another program is if it includessource code <> from the original program, even if the source code has been modified, including improving, extending, reordering or translating it into another programming language.

 Source code is the version of software (usually an application program or an operating system <>) as it is originally written (i.e., typed into a computer) by a human inplain text <> (i.e., human readable alpha <>numeric characters <>). Source code can be written in any of hundreds of programming languages, some of the most popular of which areC <>, C++ and Java.

 Due to the extremely minimal restrictions of BSD-style licenses, software released under such licenses can be freely modified and used inproprietary <> (i.e., commercial) software for which the source code is kept secret.

 It is possible for a product to be distributed under a BSD-style license and for some other license to apply as well. This was, in fact, the case with very early versions of BSD UNIX, which included both new code written at UCB and code from the original versions of UNIX written at Bell Labs.

 BSD-style licenses have been very successful, and they are now widely used for a variety of software. Among the many products released under this class of licenses are all of the major modern descendants of the original BSD UNIX, i.e., FreeBSD, OpenBSD, NetBSD and Darwin (the foundation of the Mac OS X). BSD-licensed software is also commonly included inLinux <> distributions <> (i.e., versions) and has even been incorporated into some of the Microsoft Windows operating systems.

BSD Licenses Versus the GPL

 The GPL <> (GNU <> General Public License) is by far the most widely used license forfree software <> (i.e., software whose source code is available at no cost for anyone to use for any purpose). The Linuxkernel <> (i.e., the core of the operating system) as well as much of the other software generally included in Linux distributions have been released under the terms of the GPL.

 Although far fewer programs are released under BSD-style licenses, this class of licenses is disproportionately important because of the widespread use of BSD-licensed code in both free and proprietary operating systems.

 Possibly the biggest difference between the GPL and BSD licenses is the fact that the former is acopyleft license and the latter is not. Copyleft is the application of copyright law to permit the free creation of derivative works but requiring that such works be redistributable under the same terms (i.e.,

the same license) as the original work.

Closely related to this is the fact that, in sharp contrast to the GPL, BSD-style licenses do not require that derivative works based on BSD-licensed software make the source code for such derivative works freely available. This allows the direct incorporation of code from open source projects (i.e., from BSD-licensed software) into closed source projects. The GPL, however, specifically states: "This General Public License does not permit incorporating your program into proprietary programs."

A third difference is that the GPL is a single, copyrighted (by the Free Software Foundation, Inc.) license with no variants. BSD-style licenses, in contrast, are commonly modified for the specific situation.

In many cases, the use of open source code can allow companies to develop products more quickly and with less expense than if they wrote them with entirely original code. The fact that derivative products of BSD-licensed software are not required to be open source can be very useful for developers who want to create commercial products from open source code but who want to keep their modifications and/or extensions secret. Interestingly, companies that initially develop closed source products based on BSD-licensed code tend to be more likely to eventually make their source code publicly available than are companies that develop products that do not incorporate code code.

The issue of which license provides greater freedom and does the most to promote the development of improved software is highly controversial. In spite of the seeming simplicity of the licenses, there are no simple answers.

One of the most controversial properties of the GPL is its viral nature. This means that once some useful modification or addition to a GPL licensed program has been released, the source code of the modified or extended program must likewise be made freely available. That is, the GPL is a mechanism that deprives developers of the freedom to make their source code secret at some future date, although the developer can still use such code in commercial products. Critics of the GPL claim that this diminishes or destroys the commercial value of software because others can produce products that incorporate the same code.

GPL advocates claim that although the GPL is contagious in theory, it is not necessarily so in practice. Rather, they assert, it merely places restrictions on the code's re-use, as do BSD-style licenses.

One thing about both the GPL and the BSD-style licenses for which there is widespread agreement is that both have problems. Neither is perfect, and perhaps no license can be perfect. There is also considerable agreement that there are benefits both to software developers and to society as a whole from the choice provided by the existence of a variety of types of free software licenses, including the GPL and BSD-style licenses.

The "Advertising Clause"

The original version of the BSD license contained the so called advertising clause, which stated that all advertising materials that mention features of or use of the software must display the acknowledgment: "This product includes software developed by the University of California, Berkeley and its contributors."

One of the problems with this clause arose from the fact that people who made changes to the source code often wanted to have their names added to the acknowledgment. This could easily result in large and cumbersome acknowledgments for products with numerous contributors and for software distributions consisting of multiple individual projects.

A second problem was legal incompatibility with the terms of the GPL. This is because the GPL prohibits the addition of restrictions beyond those that it already imposes. Thus it was necessary to segregate GPL and BSD-licensed software within projects.

Initially, the "obnoxious BSD advertising clause," as it was referred to by GPL advocates, was used only for the BSD UNIX license. That did not cause any major problems because it was only necessary to include a single sentence of acknowledgment in any advertisement.

However, the fact that other software developers did not copy the clause verbatim, but replaced the phrase "University of California" with the name of their own organization or persons involved in it, resulted in a proliferation of slightly different licenses and a consequently serious problem when many

such programs were assembled to form a larger work or an operating system. For example, if an operating system or other program required fifty slightly different acknowledgment sentences, each naming a different developer or group of developers, suchadvertising alone might require a full page. Not only would this be very tedious reading, but it could also be costly.

In June 1999, after two years of discussion, the Office of Technology Licensing at UCB finally proclaimed: "Effective immediately, licensees and distributors are no longer required to include the acknowledgment within advertising materials. Accordingly, the foregoing paragraph of those BSD Unix files containing it is hereby deleted in its entirety."

This was clearly very useful. However, it could not eliminate the legacy of the advertising clause, as similar clauses still exist in the licenses of many programs that followed the old BSD license; only the developers of such packages can change them.

Examples of BSD-Style Licenses

Below are three examples of BSD-style licenses: (1) the BSD license as it is used by the FreeBSD operating system, (2) a BSD license as it is used bySudo (a free utility program forUnix-like <> operating systems) and (3) a template of a BSD-style license that can be applied to any appropriate project:

(1) The BSD license as it is used by the FreeBSD Unix operating system:

Copyright 1994-2004 The FreeBSD Project. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE FREEBSD PROJECT "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FREEBSD PROJECT OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of the FreeBSD Project.

(2) The BSD-style license for Sudo, a small utility that allows designated users to have temporaryroot (i.e., administrative) access to run specified privilegedcommands <>. This software, while released under a BSD-style license, also incorporates other software that had earlier been released under a BSD-style license (referred to below as aUCB license) by UCB. Moreover, it contains a third condition, which restricts the use of the name of the author for endorsements or promotions of products derived from the software, and a fourth condition, which restricts the use of the name of the software on products derived from the software.

Sudo License

Sudo is distributed under the following BSD-style license:

Copyright (c) 1994-1996,1998-2003 Todd C. Miller All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice,

this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.

 3. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission from the
author.

 4. Products derived from this software may not be called "Sudo" nor may
"Sudo" appear in their names without specific prior written permission from the
author.

 THIS SOFTWARE IS PROVIDED AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES,
INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND
FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR
BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR
CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO PROCUREMENT OF SUBSTITUTE
GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT
OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

 Sponsored in part by the Defense Advanced Research Projects Agency (DARPA)
and Air Force Research Laboratory, Air Force Materiel Command, USAF, under
agreement number F39502-99-1-0512.

Additionally, lsearch.c, fnmatch.c, getcwd.c, snprintf.c strcasecmp.c and
fnmatch.3 bear the following UCB license:

 Copyright (c) 1987, 1989, 1990, 1991, 1993, 1994 The Regents of the
University of California. All rights reserved.

 Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

 1. Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.

 2. Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.

 3. Neither the name of the University nor the names of its contributors may
be used to endorse or promote products derived from this software without
specific prior written permission.

 THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS AS IS'' AND ANY
EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED
WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE
DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY
DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES
(INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;
LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON
ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
(INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS
SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

 (3) A template for a BSD-style license. [YEAR], [COPYRIGHT OWNER] and
[LICENSOR] are to be replaced by the actual year of copyright, the owner of the
copyright and the licensor. The copyright owner and licensor may be the same,
as in the case of the license for FreeBSD (as shown above).

 Copyright [YEAR] [COPYRIGHT OWNER]. All Rights Reserved.

 Redistribution and use in source and binary forms, with or without
modification, are permitted provided that the following conditions are met:

 1. Redistributions of source code must retain the above copyright notice,
this list of conditions and the following disclaimer.

 2. Redistributions in binary form must reproduce the above copyright notice,
this list of conditions and the following disclaimer in the documentation
and/or other materials provided with the distribution.

 3. The name of the author may not be used to endorse or promote products
derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY [LICENSOR] "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

 <>
 _____

* Disclaimer: The above material is presented for reference purposes only, and it is not intended as nor does it constitute legal advice. Neither Bellevue Linux nor any of its content providers shall be liable for any errors or omissions in the content or for any actions taken in reliance thereupon. The author of said material is not an attorney and makes absolutely no claim to have any knowledge about legal matters beyond that of an informed layman. Any questions should be referred to a licensed attorney specializing in copyrights and intellectual property law. Proper legal advice can only be provided by a licensed attorney with reference to the specific facts of a particular situation and to the laws of the relevant jurisdiction.

BSD 2-Clause "Simplified" License

Copyright (c) <year> <owner>

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.

2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

BSD 3-Clause "New" or "Revised" License

BSD 3-Clause Clear License, INRIA

We were not able to collect any text for this license
Examined URLs:
- http://asm.objectweb.org/license.htm

CDDL License (Generic)

Common Development and Distribution License - Wikipedia Jump to content <> Main
menu Main menu move to sidebar hide Navigation
 * Main page <>
 * Contents <>
 * Current events <>
 * Random article <>
 * About Wikipedia <>
 * Contact us <>
 * Donate
<https://donate.wikimedia.org/wiki/Special:FundraiserRedirector?utm_source=donate&utm_medium=sidebar&utm_campaign=C13_en.
wikipedia.org&uselang=en>
 Contribute
 * Help <>
 * Learn to edit <>
 * Community portal <>
 * Recent changes <>
 * Upload file <> Languages Language links are at the top of the page across
from the title. <> Search <> Search
 * Create account <>
 * Log in <> Personal tools
 * Create account <>
 * Log in <> Pages for logged out editors learn more <>
 * Contributions <>
 * Talk <>
Contents
move to sidebar hide
 * (Top) <>
 * 1Terms <>
 * 2History <> Toggle History subsection
 * 2.1GPL compatibility <>
 * 2.2cdrtools controversy <>
 * 2.3ZFS in the Linux kernel <>
 * 3Adoption <>
 * 4See also <>
 * 5References <>
 * 6External links <> Toggle the table of contents Toggle the table of
contents
Common Development and Distribution License
15 languages
 * Catal
<https://ca.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 * Deutsch
<https://de.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 * Espaol
<https://es.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 *
<https://fa.wikipedia.org/wiki/
%D9%BE%D8%B1%D9%88%D8%A7%D9%86%D9%87_%D8%AA%D9%88%D8%B3%D8%B9%D9%87_%D9%88_%D8%AA%D9%88
%D8%B2%DB%8C%D8%B9_%D9%85%D8%B4%D8%AA%D8%B1%DA%A9>
 * Franais
<https://fr.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 *
<https://ko.wikipedia.org/wiki/
%EA%B3%B5%EB%8F%99_%EA%B0%9C%EB%B0%9C_%EB%B0%8F_%EB%B0%B0%ED%8F%AC_%ED%97%88%EA%B0%80%E
C%84%9C>
 * Italiano
<https://it.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 * <https://ja.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 * Polski
<https://pl.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 * Portugus
<https://pt.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 * <https://ru.wikipedia.org/wiki/CDDL>
 * Slovenina
<https://sk.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 * Svenska
<https://sv.wikipedia.org/wiki/Common_Development_and_Distribution_License>
 *
<https://uk.wikipedia.org/wiki/%D0%9B%D1%96%D1%86%D0%B5%D0%BD%D0%B7%D1%96%D1%8F_CDDL>
 *
<https://zh.wikipedia.org/wiki/

From Wikipedia, the free encyclopedia Free and open-source software license
Common Development and Distribution License
AuthorSun Microsystems <>, Oracle Corporation <>
Latest version1.1
Publisher <>Oracle Corporation <>
SPDX <> identifierCDDL-1.1
CDDL-1.0
Debian FSG compatible <>Yes
FSF <> approved <>Yes (only 1.0)[1] <>
OSI <> approved <>Yes (only 1.0)[2] <>
GPL compatible <>No[1] <>
Copyleft <>Yes, file-level[1] <>
Linking from code with a different licence <>Yes[1] <>

The Common Development and Distribution License (CDDL) is a free and open-source <> software license <>,[3] <> produced by Sun Microsystems <>, based on theMozilla Public License <> (MPL). Files licensed under the CDDL can be combined with files licensed under other licenses, whether open source or proprietary.[2] <> In 2005 the Open Source Initiative <> approved the license. TheFree Software Foundation <> (FSF) considers it a free software license <>, but one which isincompatible <> with the GNU General Public License <> (GPL).[1]
 <>

Terms[edit <>]

Derived from the Mozilla Public License <> 1.1,[4] <> the CDDL tries to address some of the problems of the MPL.[5] <> Like the MPL, the CDDL is a weak copyleft <> license in-between GPL <> license and BSD <>/MIT <> permissive licenses <>, requiring only source code files under CDDL to remain under CDDL.

Unlike strong copyleft <> licenses like the GPL, mixing of CDDL licensed source code files with source code files under other licenses is permitted without relicensing. The resulting compiled software product ("binary") can be licensed and sold under a different license, as long as the source code is still available under CDDL, which should enable more commercial business cases, according to Sun.[5] <>[6] <>[7] <>

Like the MPL the CDDL includes a patent grant to the licensee from all contributors ("patent peace"). However, in section 2.1(d), the patent grant is lost if the code implementing a patented feature is modified.[8] <>

History[edit <>]

The previous software license <> used by Sun <> for its open source <> projects was theSun Public License <> (SPL), also derived from the Mozilla Public License <>. The CDDL license is considered by Sun <> (now Oracle <>) to beSPL <> version 2.[9] <>

The CDDL was developed by a Sun Microsystems <> team (among them Solaris <> kernel engineer Andrew Tucker[10] <>[11] <> and Claire Giordano[12] <>), based on theMPL <> version 1.1. On December 1, 2004 the CDDL was submitted for approval to theOpen Source Initiative <>[12] <> and was approved as an open

source license <> in mid January 2005. The second CDDL proposal, submitted in early January 2005, includes some corrections that prevent the CDDL from being in conflict with European Copyright law and to allow single developers to use the CDDL for their work.

In 2006, in the first draft of the OSI's license proliferation <> committee report, the CDDL is one of nine preferred licenses listed as popular, widely used, or with strong communities.[13] <>

While the Free Software Foundation <> (FSF) also considered the CDDL a free software <> license, they saw some incompatibilities <> with their GNU General Public License <> (GPL).[1] <>

GPL compatibility[edit <>]

The question of whether and when both licenses are incompatible <> sparked debates in the free software domain in 2004 to 2006.[14] <>[15] <> For instance, the FSF considered the CDDL incompatible to their GPL license, without going into detail until 2016.[16] <>

CDDL is one of several Open Source Licenses <> which are incompatible with GPL <>. This characteristics was inherited from the MPL 1.1 (fixed with the MPL 2.0 according to the FSF[1] <>) and results from a complex interaction of several clauses;[14] <>[17] <> the root of the problem being GPL virality <>, similar to other cases of GPL incompatibility.[18] <> Some people argue that Sun (or the Sun engineer) as creator of the license made the CDDL intentionally GPL incompatible.[14] <> According to Danese Cooper <> one of the reasons for basing the CDDL on the Mozilla license was that the Mozilla license is GPL-incompatible <>. Cooper stated, at the 6th annual Debian conference <>, that the engineers who had written the Solaris kernel requested that the license of OpenSolaris be GPL-incompatible.[19] <>

Mozilla was selected partially because it is GPL incompatible. That was part of the design when they released OpenSolaris. ... the engineers who wrote Solaris ... had some biases about how it should be released, and you have to respect that.

Simon Phipps <> (Sun's Chief Open Source Officer at the time), who had introduced Cooper as "the one who actually wrote the CDDL",[20] <> did not immediately comment, but later in the same video, he says, referring back to the license issue, "I actually disagree with Danese to some degree",[21] <> while describing the strong preference among the engineers who wrote the code for a BSD-like license, which was in conflict with Sun's preference for somethingcopyleft <>, and that waiting for legal clearance to release some parts of the code under the then unreleased GNU GPL v3 would have taken several years, and would probably also have involved mass resignations from engineers (unhappy with either the delay, the GPL, or boththis is not clear from the video).

Later, in September 2006, Phipps rejected Cooper's assertion in even stronger terms.[22] <> Similarly, Bryan Cantrill <>, who was at Sun at that time and involved in the release of CDDL licensed software stated in 2015 that he and his colleagues expected in 2006 the fast emergence of CDDL licensed software into the Linux ecosystem and the CDDL being not an obstacle.[23] <>

cdrtools controversy[edit <>]

The GPL compatibility question was also the source of a controversy behind a partial relicensing ofcdrtools <> to the CDDL which had been previously all GPL. In 2006, theDebian <> project declared the cdrtools legally undistributable because thebuild system <> was licensed under the CDDL.[24] <>

The author, Jrg Schilling, claimed that smake <> is an independent project and does not violate theGPLv3 <>.[25] <> Schilling also argued that even though the GPL requires all scripts required to build the work to be licensed freely, they do not necessarily have to be under the GPL.[26] <>[27] <>[page needed <>] Thus not causing an incompatibility thatviolates the license <>.

He also argued that in "combined works" (in contrast to "derived works <>") GPL and CDDL licensed code is compatible.[28] <>[29] <>

Red Hat <>'s attorneys have prevented cdrtools from being in Fedora <> or Red Hat Enterprise Linux <>, arguing that Schilling has an "unorthodox" view of copyright law that isn't shared by their legal counsel or the Free Software Foundation.[30] <>

ZFS in the Linux kernel[edit <>]

In 2015, the CDDL to GPL compatibility question reemerged when Ubuntu <>
announced inclusion ofOpenZFS <> by default.[31] <>

In 2016 Ubuntu announced that a legal review resulted in the conclusion that
it is legally acceptable to use ZFS as binarykernel module <> in Linux. (As
opposed to building it into the kernel image itself.)[32] <>

Others followed Ubuntu's conclusion, for instance James E. J. Bottomley argued
there can not be "a convincing theory of harm" developed, making it impossible
to bring the case to court.[33] <>

Eben Moglen <>, co-author of the GPLv3 <> and founder of the SFLC <>, argued
that while the letters of the GPL might be violated, the spirit of both
licenses is unharmed, which would be the relevant aspect in court.[34] <>

The SFLC mentioned also that a precedent exists with the Andrew File System <>
's kernel module, which is not considered a derivative work of the kernel by
the kernel developers.[35] <>[36] <>

On the other hand, Bradley M. Kuhn <> and attorney Karen M. Sandler <> from the
Software Freedom Conservancy <>[37] <> argued that Ubuntu would violate both
licenses, as a binary ZFS module would be a derivative work of the kernel, and
announced their intent to clarify this question, even by court.[38] <>[39] <>
In April 2016, theUbuntu <> 16.04 LTS <> release included the CDDL-licensed ZFS
on Linux <>.[40] <>

Adoption[edit <>]

Example projects released under CDDL:

 * OpenSolaris <> (including DTrace <>, initially released alone, and ZFS <>)
 * illumos <> (as OpenSolaris OS/Net, continuation project) and illumos
distributions <>[41] <>
 * OpenZFS <> multi platform open source volume manager and file system
 * NetBeans <> IDE and RCP
 * GlassFish <>
 * Payara Server <>
 * JWSDP <>
 * Project DReaM <>
 * cdrtools <>
 * OpenDJ <>
See also[edit <>]

 * Free and open-source software portal <>
 * Dual-licensing <>
 * GNAT Modified General Public License <>
 * List of software licenses <>
References[edit <>]

 * ^ a <> b <> c <> d <> e <> f <> g <> "Various Licenses and Comments About
Them - Common Development and Distribution License"
<https://www.gnu.org/licenses/license-list.html#CDDL>. Free Software Foundation
. Retrieved2020-10-14.
 * ^ a <> b <> "Can code licensed under the CDDL be combined with code
licensed under other open source licenses?"
<https://web.archive.org/web/20091006181308/http://opensolaris.org/os/about/faq/licensing_faq/#CDDL-combo>
.OpenSolaris FAQ: Common Development and Distribution License (CDDL).
OpenSolaris. Archived fromthe original
<http://www.opensolaris.org/os/about/faq/licensing_faq/#CDDL-combo> on
2009-10-06.
 * ^ <> Common Development and Distribution License (CDDL) Information
<https://web.archive.org/web/20090304142159/http://www.sun.com/cddl/>, archived
fromthe original <http://www.sun.com/cddl/> on 2009-03-04, We have drafted a
new open source license ...
 * ^ <> CDDL_MPL_redline.pdf
<https://web.archive.org/web/20060816050912/http://www.sun.com/cddl/CDDL_MPL_redline.pdf>
 on sun.com (archived)
 * ^ a <> b <> CDDL Why Summary
<https://web.archive.org/web/20050214114513/http://www.sun.com/cddl/CDDL_why_summary.html>
 on sun.com (archived, 2005)
 * ^ <> McNealy: CDDL is 'best of both worlds'
<https://www.zdnet.com/article/mcnealy-cddl-is-best-of-both-worlds/> on
zdnet.com by Aaron Tan (September 14, 2005)
 * ^ <> CDDL
<https://tldrlegal.com/license/common-development-and-distribution-license-%28cddl-1.0%29-explained>
 on tldrlegal.com
 * ^ <> "Common Development and Distribution License 1.0 | Open Source

Initiative" <https://opensource.org/licenses/CDDL-1.0>. opensource.org. 31
October 2006. Retrieved 2020-07-18.
 * ^ <> "SPL to CDDL as of NetBeans 5.0 - Why change licenses?"
<https://web.archive.org/web/20070224082827/http://www.netbeans.org/about/legal/license-change.html>
. NetBeans. Archived fromthe original
<http://www.netbeans.org/about/legal/license-change.html#Why_change_licenses?>
on 2007-02-24. Retrieved 2006-12-31. The SPL was based on the Mozilla license -
as CDDL is as well. [..] One way to think of the CDDL is as a cleaned-up
version of the Mozilla license - anyone can reuse it as-is. It's the SPL
version 2.0.
 * ^ <> "Andy Tucker on the CDDL"
<https://alanhargreaves.wordpress.com/2005/04/12/andy-tucker-on-the-cddl/>.
Alan Hargreaves' Blog. 12 April 2005.
 * ^ <> Open source licenses, IP, and CDDL
<https://web.archive.org/web/20061111055302/http://blogs.sun.com/tucker/> on
Andrew Tuckers blog, "as one of the drafters of the CDDL I can at least comment
on what the license says, and on our intentions in creating it." (Tuesday April
12, 2005)
 * ^ a <> b <> "For Approval: Common Development and Distribution License
(CDDL)" <https://lwn.net/Articles/114840/>. 1 December 2004.
 * ^ <> First draft of OSI's license proliferation report
<https://web.archive.org/web/20120205011112/http://www.crynwr.com/cgi-bin/ezmlm-
cgi?3%3Amss%3A11636%3A200607%3Anknhhdligldemhkfbhpd>
. Archived from theoriginal
<http://crynwr.com/cgi-bin/ezmlm-cgi?3:mss:11636:200607:nknhhdligldemhkfbhpd>
Archived
<https://web.archive.org/web/20140104020911/http://crynwr.com/cgi-bin/ezmlm-cgi?3:mss:11636:200607:nknhhdligldemhkfbhpd>
 2014-01-04 at theWayback Machine <> on 2012-02-05. Retrieved 2013-01-03.
 * ^ a <> b <> c <> "Sun Proposes New Open-Source License"
<http://www.eweek.com/c/a/Linux-and-Open-Source/Sun-Proposes-New-OpenSource-License>
.
 * ^ <> "The Blog of Ben Rockwood"
<http://cuddletech.com/blog/pivot/entry.php?id=31>.
 * ^ <> "Interpreting, enforcing and changing the GNU GPL, as applied to
combining Linux and ZFS" <https://www.fsf.org/licensing/zfs-and-linux>. Free
Software Foundation. April 11, 2016. Retrieved 2017-07-27.
 * ^ <> "MPL / GPL Incompatibility"
<http://www.tomhull.com/ocston/docs/mozgpl.html>. Retrieved 2007-12-03.
 * ^ <> chandan (2006-09-18). "Copyrights, Licenses and CDDL Illustrated"
<https://web.archive.org/web/20150529114715/https://blogs.oracle.com/chandan/entry/copyrights_licenses_and_cddl_illustrated>
. blogs.oracle.com. Archived fromthe original
<https://blogs.oracle.com/chandan/entry/copyrights_licenses_and_cddl_illustrated>
 on 2015-05-29. Retrieved 2015-05-29. A common misconception is about CDDL and
GPL incompatibility. (Incompatibility in the sense: to combine two source
files, one under GPL and another under CDDL, to create a common executable.)
GPL is incompatible with most licenses like Mozilla Public License, Apache, and
CDDL. GPL wants you erase those licenses and use GPL in that place, where as
these licenses do not permit erasing them. Hence the incompatibility deadlock.
 * ^ <> Danese Cooper (2006). OpenSolaris and CDDL discussion at Debconf 2006
<http://meetings-archive.debian.net/pub/debian-meetings/2006/debconf6/theora-small/2006-05-14/tower/OpenSolaris_Java_and_Debian-
Simon_Phipps__Alvaro_Lopez_Ortega.ogg>
(Ogg Theora <>). Event occurs at 27:26. Mozilla was selected partially because
it is GPL incompatible. That was part of the design when they released
OpenSolaris. ... the engineers who wrote Solaris ... had some biases about how
it should be released, and you have to respect that (alternate URL
<https://web.archive.org/web/20110722120048/http://caesar.acc.umu.se/pub/debian-meetings/2006/debconf6/theora-small/
2006-05-14/tower/OpenSolaris_Java_and_Debian-Simon_Phipps__Alvaro_Lopez_Ortega.ogg>
, see 27:27 through 28:24)
 * ^ <> Simon Phipps (2006). OpenSolaris and CDDL discussion at Debconf 2006
<http://meetings-archive.debian.net/pub/debian-meetings/2006/debconf6/theora-small/2006-05-14/tower/OpenSolaris_Java_and_Debian-
Simon_Phipps__Alvaro_Lopez_Ortega.ogg>
(Ogg Theora <>). Debconf <> 2006. Event occurs at 13:00. ...we have got Danese
Cooper in the room, and she is the one who actually wrote the CDDL...
 * ^ <> Simon Phipps (2006). OpenSolaris and CDDL discussion at Debconf 2006
<http://meetings-archive.debian.net/pub/debian-meetings/2006/debconf6/theora-small/2006-05-14/tower/OpenSolaris_Java_and_Debian-
Simon_Phipps__Alvaro_Lopez_Ortega.ogg>
(Ogg Theora <>). Event occurs at 36:00. I actually disagree with Danese to some
degree...
 * ^ <> Phipps, Simon (2006-09-04). "Re: Danese Cooper claims CDDL made
incompatible with GPL on purpose"
<https://marc.info/?l=opensolaris-discuss&m=115740406507420>.
OpenSolaris-Discuss List. Retrieved 2019-03-07. Nonetheless she is wrong to
characterise the opinion of the Solaris engineering team in the way she does.
She is speaking this way because she lost an argument inside Sun, not because
her view is representative of the views of Sun or its staff in the way she
claims. She, along with many actual engineers, was an advocate of using GPL for
OpenSolaris but the need to release rather than wait for one of {GPL v3,

Mozilla license revision, encumbrance removal} meant that this was not possible. I am still furious with her for the statement she made at DebConf, which was spiteful and an obstacle to a united FOSS movement.
* ^ <> Bryan Cantrill <> (2015-04-06). "I am the CTO of Joyent, the father of DTrace and an OS kernel developer for 20 years. AMA!" <https://www.reddit.com/r/IAmA/comments/31ny87/i_am_the_cto_of_joyent_the_father_of_dtrace_and/cq3bs9z?context=3> .reddit.com <>. Retrieved 2016-03-11. Question: Was the CDDL designed to prevent Sun technologies from entering Linux? - BC: Great question, and the answer was that we didn't know -- but the expectation was that it would be ported to Linux relatively quickly. I remember vividly standing over a terminal with a bunch of people as we actually launched OpenSolaris (like, clicked carriage return on making the DTrace code live -- which was the first in the chute), and the Sun Legal guy and I were chatting. We were both wondering if DTrace was going to show up in Linux in a month or if it would take two years. But that was the range of guesses: neither of us believed that the Linux community themselves would hold up CDDL as an obstacle, and certainly if you told me that a decade later, DTrace wouldn't be in Linux because of licensingFUD <>, I wouldn't have believed you. Of course, in hindsight, it all seems so clear:NIH <> is enormously powerful, and we were fools for discounting it.
* ^ <> "cdrtools - a tale of two licenses [LWN.net]" <https://lwn.net/Articles/195167/>. lwn.net. Retrieved 2020-07-18.
* ^ <> "Cdrtools (Cdrecord) release information" <https://cdrtools.sourceforge.net/private/cdrecord.html>. cdrtools.sourceforge.net. Retrieved 2020-07-18.
* ^ <> "The GNU General Public License" <https://www.gnu.org/licenses/gpl.html>. Retrieved 2009-10-24.
* ^ <> "Die GPL kommentiert und erklrt Online-Version" <https://web.archive.org/web/20150908033333/http://www.oreilly.de/german/freebooks/gplger/> (in German). O'Reilly. Archived fromthe original <http://www.oreilly.de/german/freebooks/gplger> on 2015-09-08. Retrieved 2010-11-17.
* ^ <> "Neuer Streit um cdrtools" <http://www.pro-linux.de/news/1/10155/neuer-streit-um-cdrtools.html>. Pro-Linux (in German).Laut Aussagen von Jrg Schilling sind die Lizenzen durchaus miteinander kompatibel. Die Regeln werden oftmals falsch ausgelegt. Die Aussagen der FSF-Verantwortlichen seien oft widersprchlich und in sich nicht schlssig.
* ^ <> "OSSCC GPL" <http://www.osscc.net/en/gpl.html>.
* ^ <> "Forbidden items - Fedora Project Wiki" <https://fedoraproject.org/wiki/Forbidden_items#cdrtools>. fedoraproject.org. Retrieved2020-07-18.
* ^ <> Michael Larabel <> (6 October 2015). "Ubuntu Is Planning To Make The ZFS File-System A "Standard" Offering" <https://www.phoronix.com/scan.php?page=news_item&px=Ubuntu-ZFS-Standard-Plans>. Phoronix <>.
* ^ <> Dustin Kirkland (18 February 2016). "ZFS Licensing and Linux" <https://insights.ubuntu.com/2016/02/18/zfs-licensing-and-linux/>. Ubuntu Insights. Canonical.
* ^ <> Are GPLv2 and CDDL incompatible? <http://blog.hansenpartnership.com/are-gplv2-and-cddl-incompatible/> on hansenpartnership.com by James E. J. Bottomley, "What the above analysis shows is that even though we presumed combination of GPLv2 and CDDL works to be a technical violation, there's no way actually to prosecute such a violation because we cant develop a convincing theory of harm resulting. Because this makes it impossible to take the case to court, effectively it must be concluded that the combination of GPLv2 and CDDL, provided youre following a GPLv2 compliance regime for all the code, is allowable." (23 February 2016)
* ^ <> Moglen, Eben <>; Choudhary, Mishi (26 February 2016). "The Linux Kernel, CDDL and Related Issues" <https://softwarefreedom.org/resources/2016/linux-kernel-cddl.html>.
* ^ <> Moglen, Eben <>; Choudhary, Mishi (26 February 2016). "The Linux Kernel, CDDL and Related Issues" <https://softwarefreedom.org/resources/2016/linux-kernel-cddl.html>. Historically, there's been things like the original Andrew filesystem module: a standard filesystem that really wasn't written for Linux in the first place, and just implements a UNIX filesystem. Is that derived just because it got ported to Linux that had a reasonably similar VFS interface to what other UNIXes did? ... Personally, I think that case wasn't a derived work, and I was willing to tell the AFS guys so.
* ^ <> Copying <https://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/tree/COPYING> on git.kernel.org "NOTE! This copyright does *not* cover user programs that use kernel services <> by normal system calls <> this is merely considered normal use of the kernel, and does *not* fall under the heading of "derived work"."
* ^ <> Software Freedom Law Center Appoints Two New Attorneys to Defend and Support Free and Open Source Software <http://www.softwarefreedom.org/news/2005/oct/31/new-attorneys/> (October 31,

2005)
 * ^ <> GPL Violations Related to Combining ZFS and Linux
<https://sfconservancy.org/blog/2016/feb/25/zfs-and-linux/> on
sfconservancy.org byBradley M. Kuhn <> and Karen M. Sandler <> "Ultimately,
various Courts in the world will have to rule on the more general question of
Linux combinations. Conservancy is committed to working towards achieving
clarity on these questions in the long term. That work began in earnest last
year with the VMware lawsuit, and our work in this area will continue
indefinitely, as resources permit. We must do so, because, too often, companies
are complacent about compliance. While we and other community-driven
organizations have historically avoided lawsuits at any cost in the past, the
absence of litigation on these questions caused many companies to treat the GPL
as a weaker copyleft than it actually is." (February 25, 2016)
 * ^ <> GPL Violations Related to Combining ZFS and Linux
<https://sfconservancy.org/blog/2016/feb/25/zfs-and-linux/> on
sfconservancy.org byBradley M. Kuhn <> and Karen M. Sandler <>, "Conservancy
(as a Linux copyright holder ourselves), along with the members of our
coalition in the GPL Compliance Project for Linux Developers, all agree that
Canonical and others infringe Linux copyrights when they distribute zfs.ko."
 * ^ <> "openzfs/zfs" <https://github.com/openzfs/zfs>. GitHub. Retrieved
2020-07-18.
 * ^ <> "illumos Distributions"
<https://wiki.illumos.org/display/illumos/Distributions>. The illumos Family.
illumos. 20 March 2017.
External links[edit <>]

 * Common Development and Distribution License (CDDL) Information
<https://web.archive.org/web/20090304142159/http://www.sun.com/cddl/>, archived
fromthe original <http://www.sun.com/cddl/> on 2009-03-04
 * "CDDL 1.0 copy at opensource.org" <http://opensource.org/licenses/CDDL-1.0>
. 31 October 2006. Retrieved 9 April 2013.
 * Redline diffs between MPL1.1 and CDDL
<https://web.archive.org/web/20090304142159/http://www.sun.com/cddl/CDDL_MPL_redline.pdf>
(PDF), p. 9, archived from the original
<http://www.sun.com/cddl/CDDL_MPL_redline.pdf> (PDF) on 2009-03-04
 * Summary description of changes
<https://web.archive.org/web/20090304142159/http://www.sun.com/cddl/CDDL_why_summary.html>
, archived fromthe original <http://www.sun.com/cddl/CDDL_why_summary.html> on
2009-03-04
 * Detailed description of changes
<https://web.archive.org/web/20090304142159/http://www.sun.com/cddl/CDDL_why_details.html>
, archived fromthe original <http://www.sun.com/cddl/CDDL_why_details.html> on
2009-03-04
 * FAQ on CDDL on Open Solaris Site
<https://web.archive.org/web/20071027082141/http://www.opensolaris.org/os/about/faq/licensing_faq/>
 * Copyrights, Licenses and CDDL Illustrated
<https://web.archive.org/web/20150529114715/https://blogs.oracle.com/chandan/entry/copyrights_licenses_and_cddl_illustrated>
 on oracle.com (2006)
 * The Common Development and Distribution License
<https://lwn.net/Articles/114839/>, Linux Weekly News <> Editorial (December 8,
2004)
 * CDDL Analysis from a DFSG perspective, and Opinion Piece
<http://soundadvice.id.au/blog/2005/02/04/#cddl> (2005)

 * v <>
 * t <>
 * e <>Sun Microsystems <> (acquired by Oracle <>)
Hardware
 * Sun-1 <>
 * Sun-2 <>
 * Sun-3 <>
 * Sun386i <>
 * Sun-4 <>
 * SPARCstation <>
 * 1 <>
 * 2 <>
 * 10 <>
 * 20 <>
 * 5 <>
 * Netra <>
 * Ultra <>
 * Enterprise <>
 * Sun Blade <>
 * Sun Fire <>
 * SPARC Enterprise <>
 * SPARC <>
 * JavaStation <>

* Sun Ray <>
* Sun Modular Datacenter <>
Software
* SunOS <>
* Solaris <>
* NIS <>
* NIS+ <>
* NFS <>
* ZFS <>
* SunView <>
* NeWS <>
* OpenWindows <>
* Java Desktop System <>
* Studio <>
* Java <>
* StarOffice <>
* iPlanet <>
* Sun Java System <>
* Sun Secure Global Desktop <>
* MySQL <>
* Sun xVM <>
* GlassFish <>
* VirtualBox <>
Storage
* StorageTek <>
* Sun Open Storage <>
* QFS <>
* ZFS <>
Performance
* Sun Cloud <>
* Sun Constellation System <>
* Sun Visualization System <>
* Sun Grid Engine <>
* Lustre <>
Research
* Sun Microsystems Laboratories <>
* picoJava <>
* Fortress <>
* Project Looking Glass <>
Education
* SCPs <>
* BlueJ <>
Community

* Common Development and Distribution License <>
* Java Community Process <>
* NetBeans <>
* OpenOffice.org <>
* OpenSolaris <>
* OpenSPARC <>
* OpenJDK <>
* Open Source University Meetup <>
People <>
* Bill Joy <>
* Andy Bechtolsheim <>
* Scott McNealy <>
* Vinod Khosla <>
Slogans
* The Network is the Computer <>
* Write once, run anywhere <>
Category <> Retrieved from "
https://en.wikipedia.org/w/index.php?title=Common_Development_and_Distribution_License&oldid=1171378723

<https://en.wikipedia.org/w/index.php?title=Common_Development_and_Distribution_License&oldid=1171378723>
" Categories <>:
* Free and open-source software licenses <>
* Copyleft <>
* Sun Microsystems <>
* Software using the CDDL license <>Hidden categories:
* Webarchive template wayback links <>
* CS1 German-language sources (de) <>
* Articles with short description <>
* Short description is different from Wikidata <>
* Wikipedia articles needing page number citations from February 2016 <>
* This page was last edited on 20 August 2023, at 19:38 (UTC).
* Text is available under the Creative Commons Attribution-ShareAlike License
4.0 <> <>; additional terms may apply. By using this site, you agree to the

 * Privacy policy <https://foundation.wikimedia.org/wiki/Special:MyLanguage/Policy:Privacy_policy>
 * About Wikipedia <>
 * Disclaimers <>
 * Contact Wikipedia <>
 * Code of Conduct <https://foundation.wikimedia.org/wiki/Special:MyLanguage/Universal_Code_of_Conduct>
 * Developers <https://developer.wikimedia.org>
 * Statistics <https://stats.wikimedia.org/#/en.wikipedia.org>
 * Cookie statement <https://foundation.wikimedia.org/wiki/Special:MyLanguage/Policy:Cookie_statement>
 * Mobile view <>
 * <https://wikimediafoundation.org/>
 * <https://www.mediawiki.org/>
 * Toggle limited content width

CDDL+GPL License (Jersey)

https://raw.githubusercontent.com/jersey/jersey-1.x/master/license.html

jersey: Jersey Dual License Header and License Notice GPL v2 and CDDL 1.1
COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)Version 1.1

1. Definitions.
1.1. Contributor means each individual or entity that creates or contributes
to the creation of Modifications. 1.2. Contributor Version means the
combination of the Original Software, prior Modifications used by a Contributor
(if any), and the Modifications made by that particular Contributor. 1.3.
Covered Software means (a) the Original Software, or (b) Modifications, or (c)
the combination of files containing Original Software with files containing
Modifications, in each case including portions thereof. 1.4. Executable means
the Covered Software in any form other than Source Code. 1.5. Initial Developer
means the individual or entity that first makes Original Software available
under this License. 1.6. Larger Work means a work which combines Covered
Software or portions thereof with code not governed by the terms of this
License. 1.7. License means this document. 1.8. Licensable means having the
right to grant, to the maximum extent possible, whether at the time of the
initial grant or subsequently acquired, any and all of the rights conveyed
herein. 1.9. Modifications means the Source Code and Executable form of any of
the following: A. Any file that results from an addition to, deletion from or
modification of the contents of a file containing Original Software or previous
Modifications; B. Any new file that contains any part of the Original Software
or previous Modification; or C. Any new file that is contributed or otherwise
made available under the terms of this License. 1.10. Original Software means
the Source Code and Executable form of computer software code that is
originally released under this License. 1.11. Patent Claims means any patent
claim(s), now owned or hereafter acquired, including without limitation,
method, process, and apparatus claims, in any patent Licensable by grantor.
1.12. Source Code means (a) the common form of computer software code in which
modifications are made and (b) associated documentation included in or with
such code. 1.13. You (or Your) means an individual or a legal entity exercising
rights under, and complying with all of the terms of, this License. For legal
entities, You includes any entity which controls, is controlled by, or is under
common control with You. For purposes of this definition, control means (a) the
power, direct or indirect, to cause the direction or management of such entity,
whether by contract or otherwise, or (b) ownership of more than fifty percent
(50%) of the outstanding shares or beneficial ownership of such entity.
2. License Grants.
2.1. The Initial Developer Grant. Conditioned upon Your compliance with
Section 3.1 below and subject to third party intellectual property claims, the
Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive
license: (a) under intellectual property rights (other than patent or
trademark) Licensable by Initial Developer, to use, reproduce, modify, display,
perform, sublicense and distribute the Original Software (or portions thereof),
with or without Modifications, and/or as part of a Larger Work; and (b) under
Patent Claims infringed by the making, using or selling of Original Software,
to make, have made, use, practice, sell, and offer for sale, and/or otherwise
dispose of the Original Software (or portions thereof). (c) The licenses
granted in Sections 2.1(a) and (b) are effective on the date Initial Developer
first distributes or otherwise makes the Original Software available to a third
party under the terms of this License. (d) Notwithstanding Section 2.1(b)
above, no patent license is granted: (1) for code that You delete from the
Original Software, or (2) for infringements caused by: (i) the modification of
the Original Software, or (ii) the combination of the Original Software with
other software or devices. 2.2. Contributor Grant. Conditioned upon Your
compliance with Section 3.1 below and subject to third party intellectual
property claims, each Contributor hereby grants You a world-wide, royalty-free,
non-exclusive license: (a) under intellectual property rights (other than
patent or trademark) Licensable by Contributor to use, reproduce, modify,
display, perform, sublicense and distribute the Modifications created by such
Contributor (or portions thereof), either on an unmodified basis, with other
Modifications, as Covered Software and/or as part of a Larger Work; and (b)
under Patent Claims infringed by the making, using, or selling of Modifications
made by that Contributor either alone and/or in combination with its
Contributor Version (or portions of such combination), to make, use, sell,
offer for sale, have made, and/or otherwise dispose of: (1) Modifications made
by that Contributor (or portions thereof); and (2) the combination of
Modifications made by that Contributor with its Contributor Version (or
portions of such combination). (c) The licenses granted in Sections 2.2(a) and
2.2(b) are effective on the date Contributor first distributes or otherwise
makes the Modifications available to a third party. (d) Notwithstanding Section

2.2(b) above, no patent license is granted: (1) for any code that Contributor
has deleted from the Contributor Version; (2) for infringements caused by: (i)
third party modifications of Contributor Version, or (ii) the combination of
Modifications made by that Contributor with other software (except as part of
the Contributor Version) or other devices; or (3) under Patent Claims infringed
by Covered Software in the absence of Modifications made by that Contributor.
3. Distribution Obligations.
3.1. Availability of Source Code. Any Covered Software that You distribute or
otherwise make available in Executable form must also be made available in
Source Code form and that Source Code form must be distributed only under the
terms of this License. You must include a copy of this License with every copy
of the Source Code form of the Covered Software You distribute or otherwise
make available. You must inform recipients of any such Covered Software in
Executable form as to how they can obtain such Covered Software in Source Code
form in a reasonable manner on or through a medium customarily used for
software exchange. 3.2. Modifications. The Modifications that You create or to
which You contribute are governed by the terms of this License. You represent
that You believe Your Modifications are Your original creation(s) and/or You
have sufficient rights to grant the rights conveyed by this License. 3.3.
Required Notices. You must include a notice in each of Your Modifications that
identifies You as the Contributor of the Modification. You may not remove or
alter any copyright, patent or trademark notices contained within the Covered
Software, or any notices of licensing or any descriptive text giving
attribution to any Contributor or the Initial Developer. 3.4. Application of
Additional Terms. You may not offer or impose any terms on any Covered Software
in Source Code form that alters or restricts the applicable version of this
License or the recipients' rights hereunder. You may choose to offer, and to
charge a fee for, warranty, support, indemnity or liability obligations to one
or more recipients of Covered Software. However, you may do so only on Your own
behalf, and not on behalf of the Initial Developer or any Contributor. You must
make it absolutely clear that any such warranty, support, indemnity or
liability obligation is offered by You alone, and You hereby agree to indemnify
the Initial Developer and every Contributor for any liability incurred by the
Initial Developer or such Contributor as a result of warranty, support,
indemnity or liability terms You offer. 3.5. Distribution of Executable
Versions. You may distribute the Executable form of the Covered Software under
the terms of this License or under the terms of a license of Your choice, which
may contain terms different from this License, provided that You are in
compliance with the terms of this License and that the license for the
Executable form does not attempt to limit or alter the recipient's rights in
the Source Code form from the rights set forth in this License. If You
distribute the Covered Software in Executable form under a different license,
You must make it absolutely clear that any terms which differ from this License
are offered by You alone, not by the Initial Developer or Contributor. You
hereby agree to indemnify the Initial Developer and every Contributor for any
liability incurred by the Initial Developer or such Contributor as a result of
any such terms You offer. 3.6. Larger Works. You may create a Larger Work by
combining Covered Software with other code not governed by the terms of this
License and distribute the Larger Work as a single product. In such a case, You
must make sure the requirements of this License are fulfilled for the Covered
Software.
4. Versions of the License.
4.1. New Versions. Oracle is the initial license steward and may publish
revised and/or new versions of this License from time to time. Each version
will be given a distinguishing version number. Except as provided in Section
4.3, no one other than the license steward has the right to modify this License.
4.2. Effect of New Versions. You may always continue to use, distribute or
otherwise make the Covered Software available under the terms of the version of
the License under which You originally received the Covered Software. If the
Initial Developer includes a notice in the Original Software prohibiting it
from being distributed or otherwise made available under any subsequent version
of the License, You must distribute and make the Covered Software available
under the terms of the version of the License under which You originally
received the Covered Software. Otherwise, You may also choose to use,
distribute or otherwise make the Covered Software available under the terms of
any subsequent version of the License published by the license steward. 4.3.
Modified Versions. When You are an Initial Developer and You want to create a
new license for Your Original Software, You may create and use a modified
version of this License if You: (a) rename the license and remove any
references to the name of the license steward (except to note that the license
differs from this License); and (b) otherwise make it clear that the license
contains terms which differ from this License.
5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT
WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT
LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS,

MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGING. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.
6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive. 6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant. 6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license. 6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.
7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without

limitation, court costs and reasonable attorneys' fees and expenses. The
application of the United Nations Convention on Contracts for the International
Sale of Goods is expressly excluded. Any law or regulation which provides that
the language of a contract shall be construed against the drafter shall not
apply to this License. You agree that You alone are responsible for compliance
with the United States export administration regulations (and the export
control laws and regulation of any other countries) when You use, distribute or
otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible
for claims and damages arising, directly or indirectly, out of its utilization
of rights under this License and You agree to work with Initial Developer and
Contributors to distribute such responsibility on an equitable basis. Nothing
herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION
LICENSE (CDDL)

The code released under the CDDL shall be governed by the laws of the State of
California (excluding conflict-of-law provisions). Any litigation relating to
this License shall be subject to the jurisdiction of the Federal Courts of the
Northern District of California and the state courts of the State of
California, with venue lying in Santa Clara County, California.

The GNU General Public License (GPL) Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies
 of this license document, but changing it is not allowed.

Preamble

The licenses for most software are designed to take away your freedom to share
and change it. By contrast, the GNU General Public License is intended to
guarantee your freedom to share and change free software--to make sure the
software is free for all its users. This General Public License applies to most
of the Free Software Foundation's software and to any other program whose
authors commit to using it. (Some other Free Software Foundation software is
covered by the GNU Library General Public License instead.) You can apply it to
your programs, too.

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

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 restrictions
translate to certain responsibilities for you if you distribute copies of the
software, or if you modify it.

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

We protect your rights with two steps: (1) copyright the software, and (2)
offer you this license which gives you legal permission to copy, distribute
and/or modify the software.

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

Finally, any free program is threatened constantly by software patents. We

wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice placed by the copyright holder saying it may be distributed under the terms of this General Public License. The "Program", below, refers to any such program or work, and a "work based on the Program" means either the Program or any derivative work under copyright law: that is to say, a work containing the Program or a portion of it, either verbatim or with modifications and/or translated into another language. (Hereinafter, translation is included without limitation in the term "modification".) Each licensee is addressed as "you".

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.

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

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 Program or any portion of it, thus forming a work based on the Program, 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) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change. b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License. c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, 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 Program, 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 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.

If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain

countries either by patents or by copyrighted interfaces, the original
copyright holder who places the Program under this License may add an explicit
geographical distribution limitation excluding those countries, so that
distribution is permitted only in or among countries not thus excluded. In such
case, this License incorporates the limitation as if written in the body of
this License.

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

Each version is given a distinguishing version number. If the Program
specifies a version number of this License which applies to it and "any later
version", you have the option of following the terms and conditions either of
that version or of any later version published by the Free Software Foundation.
If the Program does not specify a version number of this License, you may
choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs
whose distribution conditions are different, write to the author to ask for
permission. For software which is copyrighted by the Free Software Foundation,
write to the Free Software Foundation; we sometimes make exceptions for this.
Our decision will be guided by the two goals of preserving the free status of
all derivatives of our free software and of promoting the sharing and reuse of
software generally.

NO WARRANTY

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

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

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

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

To do so, attach the following notices to the program. It is safest to attach
them to the start of each source file to most effectively convey the exclusion
of warranty; and each file should have at least the "copyright" line and a
pointer to where the full notice is found.
One line to give the program's name and a brief idea of what it does.
 Copyright (C) <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. This program is distributed in
the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the
implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See
the GNU General Public License for more details. You should have received a
copy of the GNU General Public License along with this program; if not, write
to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston,
MA 02110-1301, USA
Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it
starts in an interactive mode:
Gnomovision version 69, Copyright (C) year name of author Gnomovision comes
with ABSOLUTELY NO WARRANTY; for details type show w'. This is free software,
and you are welcome to redistribute it under certain conditions; type show c'

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

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if necessary.
Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
Gnomovision' (which makes passes at compilers) written by James Hacker.
signature of Ty Coon, 1 April 1989
 Ty Coon, President of Vice
This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may consider
it more useful to permit linking proprietary applications with the library. If
this is what you want to do, use the GNU Library General Public License instead
of this License.

 *
"CLASSPATH" EXCEPTION TO THE GPL VERSION 2

 Certain source files distributed by Oracle are subject to the following
clarification and special exception to the GPL Version 2, but only where Oracle
has expressly included in the particular source file's header the words "Oracle
designates this particular file as subject to the "Classpath" exception as
provided by Oracle in the License file that accompanied this code."

 Linking this library statically or dynamically with other modules is making a
combined work based on this library. Thus, the terms and conditions of the GNU
General Public License Version 2 cover the whole combination.

 As a special exception, the copyright holders of this library give you
permission to link this library with independent modules to produce an
executable, regardless of the license terms of these independent modules, and
to copy and distribute the resulting executable under terms of your choice,
provided that you also meet, for each linked independent module, the terms and
conditions of the license of that module. An independent module is a module
which is not derived from or based on this library. If you modify this library,
you may extend this exception to your version of the library, but you are not
obligated to do so. If you do not wish to do so, delete this exception
statement from your version.

Common Development and Distribution License 1.0

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
Version 1.0

1. Definitions.

1.1. Contributor means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable means the Covered Software in any form other than Source Code.

1.5. Initial Developer means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License means this document.

1.8. Licensable means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications means the Source Code and Executable form of any of the following:

   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

   B. Any new file that contains any part of the Original Software or previous Modification; or

   C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You (or Your) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

   (a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

   (b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

   (c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

   (d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipients rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.6. Larger Works.
You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGING. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOST PROFITS, LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTYS NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U. S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdictions conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

Common Development and Distribution License 1.1

COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
Version 1.1

1. Definitions.

1.1. Contributor means each individual or entity that creates or contributes to the creation of Modifications.

1.2. Contributor Version means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3. Covered Software means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4. Executable means the Covered Software in any form other than Source Code.

1.5. Initial Developer means the individual or entity that first makes Original Software available under this License.

1.6. Larger Work means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7. License means this document.

1.8. Licensable means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9. Modifications means the Source Code and Executable form of any of the following:

   A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications;

   B. Any new file that contains any part of the Original Software or previous Modification; or

   C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10. Original Software means the Source Code and Executable form of computer software code that is originally released under this License.

1.11. Patent Claims means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12. Source Code means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13. You (or Your) means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, You includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants.

2.1. The Initial Developer Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license:

   (a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work; and

   (b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).

   (c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.

   (d) Notwithstanding Section 2.1(b) above, no patent license is granted: (1) for code that You delete from the Original Software, or (2) for infringements caused by: (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.
Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

(a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work; and

(b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: (1) Modifications made by that Contributor (or portions thereof); and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

(c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.

(d) Notwithstanding Section 2.2(b) above, no patent license is granted: (1) for any code that Contributor has deleted from the Contributor Version; (2) for infringements caused by: (i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.
Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.
The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.
You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.
You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, you may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear that any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.
You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.6. Larger Works.
You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.
Oracle is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.
You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.
When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You: (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. DISCLAIMER OF WARRANTY.
COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN AS IS BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGING. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED SOFTWARE IS WITH YOU. SHOULD ANY COVERED SOFTWARE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED SOFTWARE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. TERMINATION.

6.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2. If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as Participant) alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3. If You assert a patent infringement claim against Participant alleging that the Participant Software directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

6.4. In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

8. U.S. GOVERNMENT END USERS.

The Covered Software is a commercial item, as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and commercial computer software documentation as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U. S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. RESPONSIBILITY FOR CLAIMS.

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

NOTICE PURSUANT TO SECTION 9 OF THE COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)
The code released under the CDDL shall be governed by the laws of the State of California (excluding conflict-of-law provisions). Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

CNRI Jython License

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and using JPython version 1.1.x in source or binary form and its associated documentation as provided herein ("Software").

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a non-exclusive, non-transferable, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use the Software alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., Copyright (c) 1996-1999 Corporation for National Research Initiatives; All Rights Reserved are both retained in the Software, alone or in any derivative version prepared by Licensee.
Alternatively, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes), provided, however, that such text is displayed prominently in the Software alone or in any derivative version prepared by Licensee: JPython (Version 1.1.x) is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1006. The License may also be obtained from a proxy server on the Web using the following URL: http://hdl.handle.net/1895.22/1006.

3. In the event Licensee prepares a derivative work that is based on or incorporates the Software or any part thereof, and wants to make the derivative work available to the public as provided herein, then Licensee hereby agrees to indicate in any such work, in a prominently visible way, the nature of the modifications made to CNRI's Software.

4. Licensee may not use CNRI trademarks or trade name, including JPython or CNRI, in a trademark sense to endorse or promote products or services of Licensee, or any third party. Licensee may use the mark JPython in connection with Licensee's derivative versions that are based on or incorporate the Software, but only in the form JPython-based _____, or equivalent.

5. CNRI is making the Software available to Licensee on an AS IS basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF THE SOFTWARE WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

6. CNRI SHALL NOT BE LIABLE TO LICENSEE OR OTHER USERS OF THE SOFTWARE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF USING, MODIFYING OR DISTRIBUTING THE SOFTWARE, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF. SOME STATES DO NOT ALLOW THE LIMITATION OR EXCLUSION OF LIABILITY SO THE ABOVE DISCLAIMER MAY NOT APPLY TO LICENSEE.

7. This License Agreement may be terminated by CNRI (i) immediately upon written notice from CNRI of any material breach by the Licensee, if the nature of the breach is such that it cannot be promptly remedied; or (ii) sixty (60) days following notice from CNRI to Licensee of a material remediable breach, if Licensee has not remedied such breach within that sixty-day period.

8. This License Agreement shall be governed by and interpreted in all respects by the law of the State of Virginia, excluding conflict of law provisions. Nothing in this Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee.

9. By clicking on the "ACCEPT" button where indicated, or by installing, copying or otherwise using the Software, Licensee agrees to be bound by the terms and conditions of this License Agreement.

CNRI Python Open Source GPL Compatible License Agreement

CNRI OPEN SOURCE GPL-COMPATIBLE LICENSE AGREEMENT

IMPORTANT: PLEASE READ THE FOLLOWING AGREEMENT CAREFULLY.

BY CLICKING ON "ACCEPT" WHERE INDICATED BELOW, OR BY COPYING, INSTALLING OR OTHERWISE USING PYTHON 1.6.1 SOFTWARE, YOU ARE DEEMED TO HAVE AGREED TO THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT.

1. This LICENSE AGREEMENT is between the Corporation for National Research Initiatives, having an office at 1895 Preston White Drive, Reston, VA 20191 ("CNRI"), and the Individual or Organization ("Licensee") accessing and otherwise using Python 1.6.1 software in source or binary form and its associated documentation.

2. Subject to the terms and conditions of this License Agreement, CNRI hereby grants Licensee a nonexclusive, royalty-free, world-wide license to reproduce, analyze, test, perform and/or display publicly, prepare derivative works, distribute, and otherwise use Python 1.6.1 alone or in any derivative version, provided, however, that CNRI's License Agreement and CNRI's notice of copyright, i.e., "Copyright 1995-2001 Corporation for National Research Initiatives; All Rights Reserved" are retained in Python 1.6.1 alone or in any derivative version prepared by Licensee. Alternately, in lieu of CNRI's License Agreement, Licensee may substitute the following text (omitting the quotes): "Python 1.6.1 is made available subject to the terms and conditions in CNRI's License Agreement. This Agreement together with Python 1.6.1 may be located on the Internet using the following unique, persistent identifier (known as a handle): 1895.22/1013. This Agreement may also be obtained from a proxy server on the Internet using the following URL: http://hdl.handle.net/1895.22/1013".

3. In the event Licensee prepares a derivative work that is based on or incorporates Python 1.6.1 or any part thereof, and wants to make the derivative work available to others as provided herein, then Licensee hereby agrees to include in any such work a brief summary of the changes made to Python 1.6.1.

4. CNRI is making Python 1.6.1 available to Licensee on an "AS IS" basis. CNRI MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED. BY WAY OF EXAMPLE, BUT NOT LIMITATION, CNRI MAKES NO AND DISCLAIMS ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR THAT THE USE OF PYTHON 1.6.1 WILL NOT INFRINGE ANY THIRD PARTY RIGHTS.

5. CNRI SHALL NOT BE LIABLE TO LICENSEE OR ANY OTHER USERS OF PYTHON 1.6.1 FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OR LOSS AS A RESULT OF MODIFYING, DISTRIBUTING, OR OTHERWISE USING PYTHON 1.6.1, OR ANY DERIVATIVE THEREOF, EVEN IF ADVISED OF THE POSSIBILITY THEREOF.

6. This License Agreement will automatically terminate upon a material breach of its terms and conditions.

7. This License Agreement shall be governed by the federal intellectual property law of the United States, including without limitation the federal copyright law, and, to the extent such U.S. federal law does not apply, by the law of the Commonwealth of Virginia, excluding Virginia's conflict of law provisions. Notwithstanding the foregoing, with regard to derivative works based on Python 1.6.1 that incorporate non-separable material that was previously distributed under the GNU General Public License (GPL), the law of the Commonwealth of Virginia shall govern this License Agreement only as to issues arising under or with respect to Paragraphs 4, 5, and 7 of this License Agreement. Nothing in this License Agreement shall be deemed to create any relationship of agency, partnership, or joint venture between CNRI and Licensee. This License Agreement does not grant permission to use CNRI trademarks or trade name in a trademark sense to endorse or promote products or services of Licensee, or any third party.

8. By clicking on the "ACCEPT" button where indicated, or by copying, installing or otherwise using Python 1.6.1, Licensee agrees to be bound by the terms and conditions of this License Agreement.

ACCEPT

Common Public License 1.0

Common Public License Version 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS COMMON PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

   a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

   b) in the case of each subsequent Contributor:

      i) changes to the Program, and

      ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

   a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

   b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

   c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

   d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

   a) it complies with the terms and conditions of this Agreement; and

   b) its license agreement:

      i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

      ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

      iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

      iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

    a) it must be made available under this Agreement; and

    b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against a Contributor with respect to a patent applicable to software (including a cross-claim or counterclaim in a lawsuit), then any patent licenses granted by that Contributor to such Recipient under this Agreement shall terminate as of the date such litigation is filed. In addition, if Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. IBM is the initial Agreement Steward. IBM may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No

party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

DSDP License

<https://spdx.org/licenses/DSDP.html>

Eclipse Distribution License 1.0 (BSD)

https://projects.eclipse.org/content/eclipse-distribution-license-1.0-bsd

Eclipse Distribution License 1.0 (BSD)
URL: http://www.eclipse.org/org/documents/edl-v10.php
<http://www.eclipse.org/org/documents/edl-v10.php>
Eclipse Foundation

* About Us <https://www.eclipse.org/org/>
* Contact Us <https://www.eclipse.org/org/foundation/contact.php>
* Sponsor <https://www.eclipse.org/sponsor>
* Members <https://www.eclipse.org/membership/>
* Governance <https://www.eclipse.org/org/documents/>
* Code of Conduct
<https://www.eclipse.org/org/documents/Community_Code_of_Conduct.php>
* Logo and Artwork <https://www.eclipse.org/artwork/>
* Board of Directors <https://www.eclipse.org/org/foundation/directors.php>
* Careers <https://www.eclipse.org/careers>
Legal

* Privacy Policy <https://www.eclipse.org/legal/privacy.php>
* Terms of Use <https://www.eclipse.org/legal/termsofuse.php>
* Copyright Agent <https://www.eclipse.org/legal/copyright.php>
* Eclipse Public License <https://www.eclipse.org/legal/epl-2.0/>
* Legal Resources <https://www.eclipse.org/legal/>
Useful Links

* Report a Bug <https://bugs.eclipse.org/bugs/>
* Documentation <>
* How to Contribute <https://www.eclipse.org/contribute/>
* Mailing Lists <https://www.eclipse.org/mail/>
* Forums <https://www.eclipse.org/forums/>
* Marketplace <>
Other

* IDE and Tools <https://www.eclipse.org/ide/>
* Projects <https://www.eclipse.org/projects>
* Working Groups <https://www.eclipse.org/org/workinggroups/>
* Research@Eclipse <https://www.eclipse.org/org/research/>
* Report a Vulnerability <https://www.eclipse.org/security/>
* Service Status <https://status.eclipse.org>

* <https://twitter.com/EclipseFdn>
* <https://www.facebook.com/eclipse.org>
* <https://www.youtube.com/user/EclipseFdn>
* <https://www.linkedin.com/company/eclipse-foundation> Back to the top <>

Eclipse Public License 1.0

Eclipse Public License - v 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:
　　a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and
　　b) in the case of each subsequent Contributor:
　　　　i) changes to the Program, and
　　　　ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.
"Contributor" means any person or entity that distributes the Program.

"Licensed Patents" mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

　　a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

　　b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

　　c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

　　d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS
A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

　　a) it complies with the terms and conditions of this Agreement; and

　　b) its license agreement:
　　　　i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;
　　　　ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;
　　　　iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and
　　　　iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

　　a) it must be made available under this Agreement; and

　　b) a copy of this Agreement must be included with each copy of the Program.
Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement , including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement. The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

European Union Public License 1.2

EUROPEAN UNION PUBLIC LICENCE v. 1.2
EUPL the European Union 2007, 2016

This European Union Public Licence (the EUPL) applies to the Work (as defined below) which is provided under the terms of this Licence. Any use of the Work, other than as authorised under this Licence is prohibited (to the extent such use is covered by a right of the copyright holder of the Work).
The Work is provided under the terms of this Licence when the Licensor (as defined below) has placed the following notice immediately following the copyright notice for the Work:
                    Licensed under the EUPL
or has expressed by any other means his willingness to license under the EUPL.

1.Definitions
In this Licence, the following terms have the following meaning:
 The Licence:this Licence.
 The Original Work:the work or software distributed or communicated by the Licensor under this Licence, available as Source Code and also as Executable Code as the case may be.
 Derivative Works:the works or software that could be created by the Licensee, based upon the Original Work or modifications thereof. This Licence does not define the extent of modification or dependence on the Original Work required in order to classify a work as a Derivative Work; this extent is determined by copyright law applicable in the country mentioned in Article 15.
 The Work:the Original Work or its Derivative Works.
 The Source Code:the human-readable form of the Work which is the most convenient for people to study and modify.
 The Executable Code:any code which has generally been compiled and which is meant to be interpreted by a computer as a program.
 The Licensor:the natural or legal person that distributes or communicates the Work under the Licence.
 Contributor(s):any natural or legal person who modifies the Work under the Licence, or otherwise contributes to the creation of a Derivative Work.
 The Licensee or You:any natural or legal person who makes any usage of the Work under the terms of the Licence.
 Distribution or Communication:any act of selling, giving, lending, renting, distributing, communicating, transmitting, or otherwise making available, online or offline, copies of the Work or providing access to its essential functionalities at the disposal of any other natural or legal person.

2.Scope of the rights granted by the Licence
The Licensor hereby grants You a worldwide, royalty-free, non-exclusive, sublicensable licence to do the following, for the duration of copyright vested in the Original Work:
 use the Work in any circumstance and for all usage,
 reproduce the Work,
 modify the Work, and make Derivative Works based upon the Work,
 communicate to the public, including the right to make available or display the Work or copies thereof to the public and perform publicly, as the case may be, the Work,
 distribute the Work or copies thereof,
 lend and rent the Work or copies thereof,
 sublicense rights in the Work or copies thereof.
Those rights can be exercised on any media, supports and formats, whether now known or later invented, as far as the applicable law permits so.
In the countries where moral rights apply, the Licensor waives his right to exercise his moral right to the extent allowed by law in order to make effective the licence of the economic rights here above listed.
The Licensor grants to the Licensee royalty-free, non-exclusive usage rights to any patents held by the Licensor, to the extent necessary to make use of the rights granted on the Work under this Licence.

3.Communication of the Source Code
The Licensor may provide the Work either in its Source Code form, or as Executable Code. If the Work is provided as Executable Code, the Licensor provides in addition a machine-readable copy of the Source Code of the Work along with each copy of the Work that the Licensor distributes or indicates, in a notice following the copyright notice attached to the Work, a repository where the Source Code is easily and freely accessible for as long as the Licensor continues to distribute or communicate the Work.

4.Limitations on copyright
Nothing in this Licence is intended to deprive the Licensee of the benefits from any exception or limitation to the exclusive rights of the rights owners in the Work, of the exhaustion of those rights or of other applicable limitations thereto.

5.Obligations of the Licensee
The grant of the rights mentioned above is subject to some restrictions and obligations imposed on the Licensee. Those obligations are the following:

Attribution right: The Licensee shall keep intact all copyright, patent or trademarks notices and all notices that refer to the Licence and to the disclaimer of warranties. The Licensee must include a copy of such notices and a copy of the Licence with every copy of the Work he/she distributes or communicates. The Licensee must cause any Derivative Work

to carry prominent notices stating that the Work has been modified and the date of modification.

Copyleft clause: If the Licensee distributes or communicates copies of the Original Works or Derivative Works, this Distribution or Communication will be done under the terms of this Licence or of a later version of this Licence unless the Original Work is expressly distributed only under this version of the Licence for example by communicating EUPL v. 1.2 only. The Licensee (becoming Licensor) cannot offer or impose any additional terms or conditions on the Work or Derivative Work that alter or restrict the terms of the Licence.

Compatibility clause: If the Licensee Distributes or Communicates Derivative Works or copies thereof based upon both the Work and another work licensed under a Compatible Licence, this Distribution or Communication can be done under the terms of this Compatible Licence. For the sake of this clause, Compatible Licence refers to the licences listed in the appendix attached to this Licence. Should the Licensee's obligations under the Compatible Licence conflict with his/her obligations under this Licence, the obligations of the Compatible Licence shall prevail.

Provision of Source Code: When distributing or communicating copies of the Work, the Licensee will provide a machine-readable copy of the Source Code or indicate a repository where this Source will be easily and freely available for as long as the Licensee continues to distribute or communicate the Work.
Legal Protection: This Licence does not grant permission to use the trade names, trademarks, service marks, or names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the copyright notice.

6.Chain of Authorship
The original Licensor warrants that the copyright in the Original Work granted hereunder is owned by him/her or licensed to him/her and that he/she has the power and authority to grant the Licence.
Each Contributor warrants that the copyright in the modifications he/she brings to the Work are owned by him/her or licensed to him/her and that he/she has the power and authority to grant the Licence.
Each time You accept the Licence, the original Licensor and subsequent Contributors grant You a licence to their contributions to the Work, under the terms of this Licence.

7.Disclaimer of Warranty
The Work is a work in progress, which is continuously improved by numerous Contributors. It is not a finished work and may therefore contain defects or bugs inherent to this type of development.
For the above reason, the Work is provided under the Licence on an as is basis and without warranties of any kind concerning the Work, including without limitation merchantability, fitness for a particular purpose, absence of defects or errors, accuracy, non-infringement of intellectual property rights other than copyright as stated in Article 6 of this Licence.
This disclaimer of warranty is an essential part of the Licence and a condition for the grant of any rights to the Work.

8.Disclaimer of Liability
Except in the cases of wilful misconduct or damages directly caused to natural persons, the Licensor will in no event be liable for any direct or indirect, material or moral, damages of any kind, arising out of the Licence or of the use of the Work, including without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, loss of data or any commercial damage, even if the Licensor has been advised of the possibility of such damage. However, the Licensor will be liable under statutory product liability laws as far such laws apply to the Work.

9.Additional agreements
While distributing the Work, You may choose to conclude an additional agreement, defining obligations or services consistent with this Licence. However, if accepting obligations, You may act only on your own behalf and on your sole responsibility, not on behalf of the original Licensor or any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against such Contributor by the fact You have accepted any warranty or additional liability.

10.Acceptance of the Licence
The provisions of this Licence can be accepted by clicking on an icon I agree placed under the bottom of a window displaying the text of this Licence or by affirming consent in any other similar way, in accordance with the rules of applicable law. Clicking on that icon indicates your clear and irrevocable acceptance of this Licence and all of its terms and conditions.
Similarly, you irrevocably accept this Licence and all of its terms and conditions by exercising any rights granted to You by Article 2 of this Licence, such as the use of the Work, the creation by You of a Derivative Work or the Distribution or Communication by You of the Work or copies thereof.

11.Information to the public
In case of any Distribution or Communication of the Work by means of electronic communication by You (for example, by offering to download the Work from a remote location) the distribution channel or media (for example, a website) must at least provide to the public the information requested by the applicable law regarding the Licensor, the Licence and the way it may be accessible, concluded, stored and reproduced by the Licensee.

12.Termination of the Licence
The Licence and the rights granted hereunder will terminate automatically upon any breach by the Licensee of the terms of the Licence.
Such a termination will not terminate the licences of any person who has received the Work from the Licensee under the Licence, provided such persons remain in full compliance with the Licence.

13.Miscellaneous
Without prejudice of Article 9 above, the Licence represents the complete agreement between the Parties as to the Work.
If any provision of the Licence is invalid or unenforceable under applicable law, this will not affect the validity or

enforceability of the Licence as a whole. Such provision will be construed or reformed so as necessary to make it valid and enforceable.

The European Commission may publish other linguistic versions or new versions of this Licence or updated versions of the Appendix, so far this is required and reasonable, without reducing the scope of the rights granted by the Licence. New versions of the Licence will be published with a unique version number.

All linguistic versions of this Licence, approved by the European Commission, have identical value. Parties can take advantage of the linguistic version of their choice.

14.Jurisdiction

Without prejudice to specific agreement between parties,
 any litigation resulting from the interpretation of this License, arising between the European Union institutions, bodies, offices or agencies, as a Licensor, and any Licensee, will be subject to the jurisdiction of the Court of Justice of the European Union, as laid down in article 272 of the Treaty on the Functioning of the European Union,
 any litigation arising between other parties and resulting from the interpretation of this License, will be subject to the exclusive jurisdiction of the competent court where the Licensor resides or conducts its primary business.

15.Applicable Law

Without prejudice to specific agreement between parties,
 this Licence shall be governed by the law of the European Union Member State where the Licensor has his seat, resides or has his registered office,
 this licence shall be governed by Belgian law if the Licensor has no seat, residence or registered office inside a European Union Member State.

Appendix

Compatible Licences according to Article 5 EUPL are:
 GNU General Public License (GPL) v. 2, v. 3
 GNU Affero General Public License (AGPL) v. 3
 Open Software License (OSL) v. 2.1, v. 3.0
 Eclipse Public License (EPL) v. 1.0
 CeCILL v. 2.0, v. 2.1
 Mozilla Public Licence (MPL) v. 2
 GNU Lesser General Public Licence (LGPL) v. 2.1, v. 3
 Creative Commons Attribution-ShareAlike v. 3.0 Unported (CC BY-SA 3.0) for works other than software
 European Union Public Licence (EUPL) v. 1.1, v. 1.2
 Quebec Free and Open-Source Licence Reciprocity (LiLiQ-R) or Strong Reciprocity (LiLiQ-R+).

The European Commission may update this Appendix to later versions of the above licences without producing a new version of the EUPL, as long as they provide the rights granted in Article 2 of this Licence and protect the covered Source Code from exclusive appropriation.

All other changes or additions to this Appendix require the production of a new EUPL version.

GNU General Public License v2.0 only

https://www.gnu.org/licenses/old-licenses/gpl-2.0-standalone.html

GNU General Public License v2.0 - GNU Project - Free Software Foundation (FSF)
GNU GENERAL PUBLIC LICENSE

 Version 2, June 1991
Copyright (C) 1989, 1991 Free Software Foundation, Inc. 51 Franklin Street,
Fifth Floor, Boston, MA 02110-1301, USA Everyone is permitted to copy and
distribute verbatim copies of this license document, but changing it is not
allowed.
Preamble

 The licenses for most software are designed to take away your freedom to
share and change it. By contrast, the GNU General Public License is intended to
guarantee your freedom to share and change free software--to make sure the
software is free for all its users. This General Public License applies to most
of the Free Software Foundation's software and to any other program whose
authors commit to using it. (Some other Free Software Foundation software is
covered by the GNU Lesser General Public License instead.) You can apply it to
your programs, too.

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

 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 restrictions
translate to certain responsibilities for you if you distribute copies of the
software, or if you modify it.

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

 We protect your rights with two steps: (1) copyright the software, and (2)
offer you this license which gives you legal permission to copy, distribute
and/or modify the software.

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

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

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

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License applies to any program or other work which contains a notice
placed by the copyright holder saying it may be distributed under the terms of
this General Public License. The "Program", below, refers to any such program
or work, and a "work based on the Program" means either the Program or any
derivative work under copyright law: that is to say, a work containing the
Program or a portion of it, either verbatim or with modifications and/or
translated into another language. (Hereinafter, translation is included without
limitation in the term "modification".) Each licensee is addressed as "you".

 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.

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

 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 Program or any portion of it, thus forming a work based on the Program, 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) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.

b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

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

  If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

4. You may not copy, modify, sublicense, or distribute the Program except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense or distribute the Program is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

5. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Program or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Program (or any work based on the Program), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Program or works based on it.

6. Each time you redistribute the Program (or any work based on the Program), the recipient automatically receives a license from the original licensor to copy, distribute or modify the Program subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

7. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Program at all. For example, if a patent license would not permit royalty-free redistribution of the Program by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Program.

  If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

  It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system, which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

  This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

8. If the distribution and/or use of the Program is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Program under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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

  Each version is given a distinguishing version number. If the Program specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of

that version or of any later version published by the Free Software Foundation.
If the Program does not specify a version number of this License, you may
choose any version ever published by the Free Software Foundation.

10. If you wish to incorporate parts of the Program into other free programs
whose distribution conditions are different, write to the author to ask for
permission. For software which is copyrighted by the Free Software Foundation,
write to the Free Software Foundation; we sometimes make exceptions for this.
Our decision will be guided by the two goals of preserving the free status of
all derivatives of our free software and of promoting the sharing and reuse of
software generally.

NO WARRANTY

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

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

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

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

 To do so, attach the following notices to the program. It is safest to attach
them to the start of each source file to most effectively convey the exclusion
of warranty; and each file should have at least the "copyright" line and a
pointer to where the full notice is found.
one line to give the program's name and an idea of what it does. Copyright (C)
yyyy name of author This program is free software; you can redistribute it
and/or modify it under the terms of the GNU General Public License as published
by the Free Software Foundation; either version 2 of the License, or (at your
option) any later version. This program is distributed in the hope that it will
be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public
License for more details. You should have received a copy of the GNU General
Public License along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
 Also add information on how to contact you by electronic and paper mail.

 If the program is interactive, make it output a short notice like this when
it starts in an interactive mode:
Gnomovision version 69, Copyright (C) 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 thanshow w' and show c'; they could even be
mouse-clicks or menu items--whatever suits your program.

 You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if necessary.
Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
Gnomovision' (which makes passes at compilers) written by James Hacker.
signature of Ty Coon, 1 April 1989 Ty Coon, President of Vice
 This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may consider
it more useful to permit linking proprietary applications with the library. If
this is what you want to do, use theGNU Lesser General Public License

<https://www.gnu.org/licenses/lgpl.html> instead of this License.

GNU General Public License v2.0 w/GCC Runtime Library exception

https://spdx.org/licenses/GPL-2.0-with-GCC-exception.html

insert GPL v2 license text here

GCC Linking Exception

In addition to the permissions in the GNU General Public License, the Free Software Foundation gives you unlimited permission to link the compiled version of this file into combinations with other programs, and to distribute those combinations without any restriction coming from the use of this file. (The General Public License restrictions do apply in other respects; for example, they cover modification of the file, and distribution when not linked into a combine executable.

GNU General Public License v3.0 or later

https://spdx.org/licenses/GPL-3.0-or-later.html

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright 2007 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

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

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

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

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

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

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

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

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

TERMS AND CONDITIONS

0. Definitions.

This License refers to version 3 of the GNU General Public License.

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

The Program refers to any copyrightable work licensed under this License. Each licensee is addressed as you. Licensees and recipients may be individuals or organizations.

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

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

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

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

An interactive user interface displays Appropriate Legal Notices to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that

warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

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

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

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

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

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

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

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

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

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

3. Protecting Users' Legal Rights From Anti-Circumvention Law.
No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

In the following three paragraphs, a patent license is any express agreement or commitment, however denominated, not to enforce a patent

(such as an express permission to practice a patent or covenant not to sue for patent infringement). To grant such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

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

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

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

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

12. No Surrender of Others' Freedom.
If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

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

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

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

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

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

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

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

17. Interpretation of Sections 15 and 16.
If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

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

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

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

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

    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, see <http://www.gnu.org/licenses/>.

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

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

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

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

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

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

GNU General Public License v3.0 w/GCC Runtime Library exception

https://spdx.org/licenses/GPL-3.0-with-GCC-exception.html

insert GPL v3 text here

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

General information: http://www.gnu.org/licenses/gcc-exception.html

 Copyright (C) 2009 Free Software Foundation, Inc. <http://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies of this license
document, but changing it is not allowed.
 This GCC Runtime Library Exception ("Exception") is an additional permission
under section 7 of the GNU General Public License, version 3 ("GPLv3"). It
applies to a given file (the "Runtime Library") that bears a notice placed by
the copyright holder of the file stating that the file is governed by GPLv3
along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC
header files and runtime libraries with the compiled program. The purpose of
this Exception is to allow compilation of non-GPL (including proprietary)
programs to use, in this way, the header files and runtime libraries covered by
this Exception.

 * 0. Definitions.
A file is an "Independent Module" if it either requires the Runtime Library
for execution after a Compilation Process, or makes use of an interface
provided by the Runtime Library, but is not otherwise based on the Runtime
Library.

"GCC" means a version of the GNU Compiler Collection, with or without
modifications, governed by version 3 (or a specified later version) of the GNU
General Public License (GPL) with the option of using any subsequent versions
published by the FSF.

"GPL-compatible Software" is software whose conditions of propagation,
modification and use would permit combination with GCC in accord with the
license of GCC.

"Target Code" refers to output from any compiler for a real or virtual target
processor architecture, in executable form or suitable for input to an
assembler, loader, linker and/or execution phase. Notwithstanding that, Target
Code does not include data in any format that is used as a compiler
intermediate representation, or used for producing a compiler intermediate
representation.

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

A Compilation Process is "Eligible" if it is done using GCC, alone or with
other GPL-compatible software, or if it is done without using any work based on
GCC. For example, using non-GPL-compatible Software to optimize any GCC
intermediate representations would not qualify as an Eligible Compilation
Process.

 * 1. Grant of Additional Permission.
You have permission to propagate a work of Target Code formed by combining the
Runtime Library with Independent Modules, even if such propagation would
otherwise violate the terms of GPLv3, provided that all Target Code was
generated by Eligible Compilation Processes. You may then convey such a
combination under terms of your choice, consistent with the licensing of the
Independent Modules.

 * 2. No Weakening of GCC Copyleft.
The availability of this Exception does not imply any general presumption that

third-party software is unaffected by the copyleft requirements of the license of GCC.

ISC License

ISC License:

Copyright (c) 2004-2010 by Internet Systems Consortium, Inc. ("ISC")
Copyright (c) 1995-2003 by Internet Software Consortium

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND ISC DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL ISC BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

GNU Library General Public License v2 only

https://spdx.org/licenses/LGPL-2.0-only.html

GNU LIBRARY GENERAL PUBLIC LICENSE

Version 2, June 1991

Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[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

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

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

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 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 a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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

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

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

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

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

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

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

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

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

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

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

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

   a) The modified work must itself be a software library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   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.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties to this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such

claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

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

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

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

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

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

    one line to give the library's name and an idea of what it does.
    Copyright (C) year name of author

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

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

    You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software 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!

GNU Lesser General Public License v2.1 only

https://choosealicense.com/licenses/lgpl-2.1/

GNU Lesser General Public License v2.1 | Choose a License
 * Home <> / Licenses <>
GNU Lesser General Public License v2.1

 GNU LGPLv2.1

 Primarily used for software libraries, the GNU LGPL requires that derived
works be licensed under the same license, but works that only link to it do not
fall under this restriction. There are two commonly used versions of the GNU
LGPL.

Permissions Conditions Limitations

 * Commercial use
 * Distribution
 * Modification
 * Private use
 * Disclose source
 * License and copyright notice
 * Same license (library)
 * State changes
 * Liability
 * Warranty GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999
Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street,
Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and
distribute verbatim copies of this license document, but changing it is not
allowed. [This is the first released version of the Lesser GPL. It also counts
as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.] Preamble The licenses for most software are designed to
take away your freedom to share and change it. By contrast, the GNU General
Public Licenses are intended to guarantee your freedom to share and change free
software--to make sure the software is free for all its users. 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. GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING,
DISTRIBUTION AND MODIFICATION 0. This License Agreement applies to any software
library or other program which contains a notice placed by the copyright holder
or other authorized party saying it may be distributed under the terms of this
Lesser General Public License (also called "this License"). Each licensee is
addressed as "you". A "library" means a collection of software functions and/or
data prepared so as to be conveniently linked with application programs (which
use some of those functions and data) to form executables. The "Library",
below, refers to any such software library or work which has been distributed
under these terms. A "work based on the Library" means either the Library or
any derivative work under copyright law: that is to say, a work containing the
Library or a portion of it, either verbatim or with modifications and/or
translated straightforwardly into another language. (Hereinafter, translation
is included without limitation in the term "modification".) "Source code" for a
work means the preferred form of the work for making modifications to it. For a
library, complete source code means all the source code for all modules it
contains, plus any associated interface definition files, plus the scripts used
to control compilation and installation of the library. Activities other than
copying, distribution and modification are not covered by this License; they
are outside its scope. The act of running a program using the Library is not
restricted, and output from such a program is covered only if its contents
constitute a work based on the Library (independent of the use of the Library
in a tool for writing it). Whether that is true depends on what the Library
does and what the program that uses the Library does. 1. You may copy and
distribute verbatim copies of the Library's complete source code as you receive
it, in any medium, provided that you conspicuously and appropriately publish on
each copy an appropriate copyright notice and disclaimer of warranty; keep
intact all the notices that refer to this License and to the absence of any
warranty; and distribute a copy of this License along with the Library. You may
charge a fee for the physical act of transferring a copy, and you may at your
option offer warranty protection in exchange for a fee. 2. You may modify your
copy or copies of the Library or any portion of it, thus forming a work based
on the Library, and copy and distribute such modifications or work under the
terms of Section 1 above, provided that you also meet all of these conditions:
a) The modified work must itself be a software library. b) You must cause the
files modified to carry prominent notices stating that you changed the files
and the date of any change. c) You must cause the whole of the work to be
licensed at no charge to all third parties under the terms of this License. d)
If a facility in the modified Library refers to a function or a table of data
to be supplied by an application program that uses the facility, other than as
an argument passed when the facility is invoked, then you must make a good
faith effort to ensure that, in the event an application does not supply such
function or table, the facility still operates, and performs whatever part of
its purpose remains meaningful. (For example, a function in a library to
compute square roots has a purpose that is entirely well-defined independent of
the application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must be optional:
if the application does not supply it, the square root function must still
compute square roots.) These requirements apply to the modified work as a
whole. If identifiable sections of that work are not derived from the Library,

and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it. Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library. In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License. 3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices. Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy. This option is useful when you wish to copy part of the code of the Library into a program that is not a library. 4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange. If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code. 5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License. However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables. When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law. If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.) Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself. 6. As an exception to the Sections above, you may also 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. 8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance. 9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it. 10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License. 11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library. If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances. It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice. This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License. 12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License. 13. The Free Software Foundation may publish revised and/or new versions of the Lesser General Public License from time to time. Such new

versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation. 14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally. NO WARRANTY 15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. END OF TERMS AND CONDITIONS How to Apply These Terms to Your New Libraries If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License). To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found. <one line to give the library's name and a brief idea of what it does.> Copyright (C) <year> <name of author> This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version. This library is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU Lesser General Public License for more details. You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA 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! Copy license text to clipboard <> Suggest this license

Make a pull request to suggest this license for a project that is not licensed <>. Please be polite: see if a license has already been suggested, try to suggest a license fitting for the projectscommunity <>, and keep your communication with project maintainers friendly.

How to apply this license

 Create a text file (typically named LICENSE or LICENSE.txt) in the root of your source code and copy the text of the license into the file.

Optional steps

 The Free Software Foundation recommends taking the additional step of adding a boilerplate notice to the top of each file. The boilerplate can be found at the end of the license.

Add LGPL-2.1-or-later (or LGPL-2.1-only to disallow future versions) to your projects package description, if applicable (e.g.,Node.js <https://docs.npmjs.com/cli/v7/configuring-npm/package-json#license>, Ruby

<https://guides.rubygems.org/specification-reference/#license=>, and Rust
<https://doc.rust-lang.org/cargo/reference/manifest.html#the-license-and-license-file-fields>
). This will ensure the license is displayed in package directories.

If you would like your project to adopt the GPL-3.0s cure provision, add the
text <https://github.com/gplcc/gplcc/blob/master/Project/COMMITMENT> of the GPL
Cooperation Commitment <https://gplcc.github.io/gplcc/> to a file named
COMMITMENT in the same directory as your LGPL-2.1 license file.
 Source <https://spdx.org/licenses/LGPL-2.1-or-later.html> About <> Terms of
Service <> Help improve this page
<https://github.com/github/choosealicense.com/edit/gh-pages/_licenses/lgpl-2.1.txt>
 The content of this site is licensed under the Creative Commons Attribution
3.0 Unported License <https://creativecommons.org/licenses/by/3.0/>.
 Curated with by GitHub, Inc. <https://github.com> and You!
<https://github.com/github/choosealicense.com>

GNU Lesser General Public License v2.1 only

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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.

TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

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

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

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

   a) The modified work must itself be a software library.

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

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

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

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

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

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

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

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

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

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

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

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

source along with the object code.

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

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

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

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

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

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

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.

10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.

11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not distribute the Library at all. For example, if a patent license would not permit royalty-free redistribution of the Library by all those who receive copies directly or indirectly through you, then the only way you could satisfy both it and this License would be to refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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

Each version is given a distinguishing version number. If the Library specifies a version number of this License which applies to it and "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free programs whose distribution conditions are incompatible with these, write to the author to ask for permission. For software which is copyrighted by the Free Software Foundation, write to the Free Software Foundation; we sometimes make exceptions for this. Our decision will be guided by the two goals of preserving the free status of all derivatives of our free software and of promoting the sharing and reuse of software generally.

NO WARRANTY

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

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

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

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

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

    one line to give the library's name and an idea of what it does.
    Copyright (C) year name of author

    This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

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

    You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software

Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA 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!

GNU Lesser General Public License v3.0 only

https://choosealicense.com/licenses/lgpl-3.0/

GNU Lesser General Public License v3.0 | Choose a License
 * Home <> / Licenses <>
GNU Lesser General Public License v3.0

 GNU LGPLv3

 Permissions of this copyleft license are conditioned on making available
complete source code of licensed works and modifications under the same license
or the GNU GPLv3. Copyright and license notices must be preserved. Contributors
provide an express grant of patent rights. However, a larger work using the
licensed work through interfaces provided by the licensed work may be
distributed under different terms and without source code for the larger work.

Permissions Conditions Limitations

 * Commercial use
 * Distribution
 * Modification
 * Patent use
 * Private use
 * Disclose source
 * License and copyright notice
 * Same license (library)
 * State changes
 * Liability
 * Warranty GNU LESSER GENERAL PUBLIC LICENSE Version 3, 29 June 2007
Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/> Everyone
is permitted to copy and distribute verbatim copies of this license document,
but changing it is not allowed. This version of the GNU Lesser General Public
License incorporates the terms and conditions of version 3 of the GNU General
Public License, supplemented by the additional permissions listed below. 0.
Additional Definitions. As used herein, "this License" refers to version 3 of
the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of
the GNU General Public License. "The Library" refers to a covered work governed
by this License, other than an Application or a Combined Work as defined below.
An "Application" is any work that makes use of an interface provided by the
Library, but which is not otherwise based on the Library. Defining a subclass
of a class defined by the Library is deemed a mode of using an interface
provided by the Library. A "Combined Work" is a work produced by combining or
linking an Application with the Library. The particular version of the Library
with which the Combined Work was made is also called the "Linked Version". The
"Minimal Corresponding Source" for a Combined Work means the Corresponding
Source for the Combined Work, excluding any source code for portions of the
Combined Work that, considered in isolation, are based on the Application, and
not on the Linked Version. The "Corresponding Application Code" for a Combined
Work means the object code and/or source code for the Application, including
any data and utility programs needed for reproducing the Combined Work from the
Application, but excluding the System Libraries of the Combined Work. 1.
Exception to Section 3 of the GNU GPL. You may convey a covered work under
sections 3 and 4 of this License without being bound by section 3 of the GNU
GPL. 2. Conveying Modified Versions. If you modify a copy of the Library, and,
in your modifications, a facility refers to a function or data to be supplied
by an Application that uses the facility (other than as an argument passed when
the facility is invoked), then you may convey a copy of the modified version:
a) under this License, provided that you make a good faith effort to ensure
that, in the event an Application does not supply the function or data, the
facility still operates, and performs whatever part of its purpose remains
meaningful, or b) under the GNU GPL, with none of the additional permissions of
this License applicable to that copy. 3. Object Code Incorporating Material
from Library Header Files. The object code form of an Application may
incorporate material from a header file that is part of the Library. You may
convey such object code under terms of your choice, provided that, if the
incorporated material is not limited to numerical parameters, data structure
layouts and accessors, or small macros, inline functions and templates (ten or
fewer lines in length), you do both of the following: a) Give prominent notice
with each copy of the object code that the Library is used in it and that the
Library and its use are covered by this License. b) Accompany the object code
with a copy of the GNU GPL and this license document. 4. Combined Works. You
may convey a Combined Work under terms of your choice that, taken together,
effectively do not restrict modification of the portions of the Library
contained in the Combined Work and reverse engineering for debugging such

modifications, if you also do each of the following: a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License. b) Accompany the Combined Work with a copy of the GNU GPL and this license document. c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document. d) Do one of the following: 0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source. 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version. e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.) 5. Combined Libraries. You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following: a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License. b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work. 6. Revised Versions of the GNU Lesser General Public License. The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation. If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library. Copy license text to clipboard <>

How to apply this license

This license is an additional set of permissions to the GNU GPLv3 <> license. Follow the instructions to apply the GNU GPLv3, in the root of your source code. Then add another file named COPYING.LESSER and copy the text.

Optional steps

The Free Software Foundation recommends taking the additional step of adding a boilerplate notice to the top of each file. The boilerplate can be found at the end of theGNU GPLv3 license <>. Insert the word Lesser before General in all three places in the boilerplate notice to make sure that you refer to the GNU LGPLv3 and not the GNU GPLv3.

Add LGPL-3.0-or-later (or LGPL-3.0-only to disallow future versions) to your projects package description, if applicable (e.g.,Node.js <https://docs.npmjs.com/cli/v7/configuring-npm/package-json#license>, Ruby <https://guides.rubygems.org/specification-reference/#license=>, and Rust <https://doc.rust-lang.org/cargo/reference/manifest.html#the-license-and-license-file-fields>). This will ensure the license is displayed in package directories.
Source <https://spdx.org/licenses/LGPL-3.0-or-later.html> About <> Terms of Service <> Help improve this page <https://github.com/github/choosealicense.com/edit/gh-pages/_licenses/lgpl-3.0.txt>
The content of this site is licensed under the Creative Commons Attribution 3.0 Unported License <https://creativecommons.org/licenses/by/3.0/>.
Curated with by GitHub, Inc. <https://github.com> and You! <https://github.com/github/choosealicense.com>

GNU Lesser General Public License v3.0 only

https://spdx.org/licenses/LGPL-3.0-only.html

GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below.

0. Additional Definitions.

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

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

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

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

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

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

1. Exception to Section 3 of the GNU GPL.
You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL.

2. Conveying Modified Versions.
If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

   a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or

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

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

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

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

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

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

   b) Accompany the Combined Work with a copy of the GNU GPL and this license document.

   c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document.

   d) Do one of the following:

      0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.

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

of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version.

   e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d0, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d1, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

5. Combined Libraries.
You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License.

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

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

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

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

GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

Copyright 2007 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program--to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

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

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

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

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

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

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

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

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

TERMS AND CONDITIONS

0. Definitions.

This License refers to version 3 of the GNU General Public License.

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

The Program refers to any copyrightable work licensed under this License. Each licensee is addressed as you. Licensees and recipients may be individuals or organizations.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

3. Protecting Users' Legal Rights From Anti-Circumvention Law.
No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

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

circumvention of technological measures.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the

Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

10. Automatic Licensing of Downstream Recipients.

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

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

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

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

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

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

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

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

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

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

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

12. No Surrender of Others' Freedom.
If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot convey a covered work so as to satisfy simultaneously your obligations under this License and any other pertinent obligations, then as a consequence you may not convey it at all. For example, if you agree to terms that obligate you to collect a royalty for further conveying from those to whom you convey the Program, the only way you could satisfy both those terms and this License would be to refrain entirely from conveying the Program.

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

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

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

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public

statement of acceptance of a version permanently authorizes you to choose that version for the Program.

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

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

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

17. Interpretation of Sections 15 and 16.
If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Programs

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

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

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

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

    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, see <http://www.gnu.org/licenses/>.

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

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

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

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

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

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lgpl.html>.

MIT License

MIT License

Copyright (c) <year> <copyright holders>

Mozilla Public License 1.0

MOZILLA PUBLIC LICENSE
Version 1.0

1. Definitions.

    1.1. Contributor" means each entity that creates or contributes to the creation of Modifications.

    1.2. Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

    1.3. Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

    1.4. Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

    1.5. Executable" means Covered Code in any form other than Source Code.

    1.6. Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

    1.7. Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

    1.8. License" means this document.

    1.9. Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:

        A. Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.

        B. Any new file that contains any part of the Original Code or previous Modifications.

    1.10. Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

    1.11. Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or a list of source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

    1.12. You" means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of fifty percent (50%) or more of the outstanding shares or beneficial ownership of such entity.

2. Source Code License.

    2.1. The Initial Developer Grant.
The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

        (a) to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, or as part of a Larger Work; and

        (b) under patents now or hereafter owned or controlled by Initial Developer, to make, have made, use and sell (Utilize") the Original Code (or portions thereof), but solely to the extent that any such patent is reasonably necessary to enable You to Utilize the Original Code (or portions thereof) and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

    2.2. Contributor Grant.
Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

        (a) to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code or as part of a Larger Work; and

        (b) under patents now or hereafter owned or controlled by Contributor, to Utilize the Contributor Version (or portions thereof), but solely to the extent that any such patent is reasonably necessary to enable You to Utilize the Contributor Version (or portions thereof), and not to any greater extent that may be necessary to Utilize further Modifications or combinations.

3. Distribution Obligations.

    3.1. Application of License.

The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code.
Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications.
You must cause all Covered Code to which you contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

3.4. Intellectual Property Matters

(a) Third Party Claims.
If You have knowledge that a party claims an intellectual property right in particular functionality or code (or its utilization under this License), you must include a text file with the source code distribution titled LEGAL'' which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If you obtain such knowledge after You make Your Modification available as described in Section 3.2, You shall promptly modify the LEGAL file in all copies You make available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs.
If Your Modification is an application programming interface and You own or control patents which are reasonably necessary to implement that API, you must also include this information in the LEGAL file.

3.5. Required Notices.
You must duplicate the notice in Exhibit A in each file of the Source Code, and this License in any documentation for the Source Code, where You describe recipients' rights relating to Covered Code. If You created one or more Modification(s), You may add your name as a Contributor to the notice described in Exhibit A. If it is not possible to put such notice in a particular Source Code file due to its structure, then you must include such notice in a location (such as a relevant directory file) where a user would be likely to look for such a notice. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions.
You may distribute Covered Code in Executable form only if the requirements of Section 3.1-3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works.
You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.
If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.
This License applies to code to which the Initial Developer has attached the notice in Exhibit A, and to related Covered Code.

6. Versions of the License.

6.1. New Versions.
Netscape Communications Corporation (Netscape'') may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

6.2. Effect of New Versions.

Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Netscape. No one other than Netscape has the right to modify the terms applicable to Covered Code created under this License.

6.3. Derivative Works.

If you create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), you must (a) rename Your license so that the phrases Mozilla'', MOZILLAPL'', MOZPL'', Netscape'', NPL'' or any confusingly similar phrase do not appear anywhere in your license and (b) otherwise make it clear that your version of the license contains terms which differ from the Mozilla Public License and Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY.

COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN AS IS'' BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGING. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. TERMINATION.

This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

9. LIMITATION OF LIABILITY.

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO YOU OR ANY OTHER PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THAT EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. GOVERNMENT END USERS.

The Covered Code is a commercial item,'' as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of commercial computer software'' and commercial computer software documentation,'' as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

11. MISCELLANEOUS.

This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in, the United States of America: (a) unless otherwise agreed in writing, all disputes relating to this License (excepting any dispute relating to intellectual property rights) shall be subject to final and binding arbitration, with the losing party paying all costs of arbitration; (b) any arbitration relating to this Agreement shall be held in Santa Clara County, California, under the auspices of JAMS/EndDispute; and (c) any litigation relating to this Agreement shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. RESPONSIBILITY FOR CLAIMS.

Except in cases where another Contributor has failed to comply with Section 3.4, You are responsible for damages arising, directly or indirectly, out of Your utilization of rights under this License, based on the number of copies of Covered Code you made available, the revenues you received from utilizing such rights, and other relevant factors. You agree to work with affected parties to distribute responsibility on an equitable basis.

EXHIBIT A.

Mozilla Public License 1.1

Mozilla Public License Version 1.1

1. Definitions.

    1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

    1.1. "Contributor" means each entity that creates or contributes to the creation of Modifications.

    1.2. "Contributor Version" means the combination of the Original Code, prior Modifications used by a Contributor, and the Modifications made by that particular Contributor.

    1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

    1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic transfer of data.

    1.5. "Executable" means Covered Code in any form other than Source Code.

    1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

    1.7. "Larger Work" means a work which combines Covered Code or portions thereof with code not governed by the terms of this License.

    1.8. "License" means this document.

    1.8.1. "Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

    1.9. "Modifications" means any addition to or deletion from the substance or structure of either the Original Code or any previous Modifications. When Covered Code is released as a series of files, a Modification is:
Any addition to or deletion from the contents of a file containing Original Code or previous Modifications.
Any new file that contains any part of the Original Code or previous Modifications.

    1.10. "Original Code" means Source Code of computer software code which is described in the Source Code notice required by Exhibit A as Original Code, and which, at the time of its release under this License is not already Covered Code governed by this License.

    1.10.1. "Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

    1.11. "Source Code" means the preferred form of the Covered Code for making modifications to it, including all modules it contains, plus any associated interface definition files, scripts used to control compilation and installation of an Executable, or source code differential comparisons against either the Original Code or another well known, available Covered Code of the Contributor's choice. The Source Code can be in a compressed or archival form, provided the appropriate decompression or de-archiving software is widely available for no charge.

    1.12. "You" (or "Your") means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License or a future version of this License issued under Section 6.1. For legal entities, "You" includes any entity which controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. Source Code License.

    2.1. The Initial Developer Grant. The Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license, subject to third party intellectual property claims:

        a. under intellectual property rights (other than patent or trademark) Licensable by Initial Developer to use, reproduce, modify, display, perform, sublicense and distribute the Original Code (or portions thereof) with or without Modifications, and/or as part of a Larger Work; and
        b. under Patents Claims infringed by the making, using or selling of Original Code, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Code (or portions thereof).
        c. the licenses granted in this Section 2.1 (a) and (b) are effective on the date Initial Developer first distributes Original Code under the terms of this License.
        d. Notwithstanding Section 2.1 (b) above, no patent license is granted: 1) for code that You delete from the Original Code; 2) separate from the Original Code; or 3) for infringements caused by: i) the modification of the Original Code or ii) the combination of the Original Code with other software or devices.

    2.2. Contributor Grant. Subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license

        a. under intellectual property rights (other than patent or trademark) Licensable by Contributor, to use, reproduce, modify, display,

perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof) either on an unmodified basis, with other Modifications, as Covered Code and/or as part of a Larger Work; and

b. under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of: 1) Modifications made by that Contributor (or portions thereof); and 2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).

c. the licenses granted in Sections 2.2 (a) and 2.2 (b) are effective on the date Contributor first makes Commercial Use of the Covered Code.

d. Notwithstanding Section 2.2 (b) above, no patent license is granted: 1) for any code that Contributor has deleted from the Contributor Version; 2) separate from the Contributor Version; 3) for infringements caused by: i) third party modifications of Contributor Version or ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or 4) under Patent Claims infringed by Covered Code in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Application of License. The Modifications which You create or to which You contribute are governed by the terms of this License, including without limitation Section 2.2. The Source Code version of Covered Code may be distributed only under the terms of this License or a future version of this License released under Section 6.1, and You must include a copy of this License with every copy of the Source Code You distribute. You may not offer or impose any terms on any Source Code version that alters or restricts the applicable version of this License or the recipients' rights hereunder. However, You may include an additional document offering the additional rights described in Section 3.5.

3.2. Availability of Source Code. Any Modification which You create or to which You contribute must be made available in Source Code form under the terms of this License either on the same media as an Executable version or via an accepted Electronic Distribution Mechanism to anyone to whom you made an Executable version available; and if made available via Electronic Distribution Mechanism, must remain available for at least twelve (12) months after the date it initially became available, or at least six (6) months after a subsequent version of that particular Modification has been made available to such recipients. You are responsible for ensuring that the Source Code version remains available even if the Electronic Distribution Mechanism is maintained by a third party.

3.3. Description of Modifications. You must cause all Covered Code to which You contribute to contain a file documenting the changes You made to create that Covered Code and the date of any change. You must include a prominent statement that the Modification is derived, directly or indirectly, from Original Code provided by the Initial Developer and including the name of the Initial Developer in (a) the Source Code, and (b) in any notice in an Executable version or related documentation in which You describe the origin or ownership of the Covered Code.

3.4. Intellectual Property Matters

(a) Third Party Claims
If Contributor has knowledge that a license under a third party's intellectual property rights is required to exercise the rights granted by such Contributor under Sections 2.1 or 2.2, Contributor must include a text file with the Source Code distribution titled "LEGAL" which describes the claim and the party making the claim in sufficient detail that a recipient will know whom to contact. If Contributor obtains such knowledge after the Modification is made available as described in Section 3.2, Contributor shall promptly modify the LEGAL file in all copies Contributor makes available thereafter and shall take other steps (such as notifying appropriate mailing lists or newsgroups) reasonably calculated to inform those who received the Covered Code that new knowledge has been obtained.

(b) Contributor APIs
If Contributor's Modifications include an application programming interface and Contributor has knowledge of patent licenses which are reasonably necessary to implement that API, Contributor must also include this information in the LEGAL file.

(c) Representations.
Contributor represents that, except as disclosed pursuant to Section 3.4 (a) above, Contributor believes that Contributor's Modifications are Contributor's original creation(s) and/or Contributor has sufficient rights to grant the rights conveyed by this License.

3.5. Required Notices. You must duplicate the notice in Exhibit A in each file of the Source Code. If it is not possible to put such notice in a particular Source Code file due to its structure, then You must include such notice in a location (such as a relevant directory) where a user would be likely to look for such a notice. If You created one or more Modification(s) You may add your name as a Contributor to the notice described in Exhibit A. You must also duplicate this License in any documentation for the Source Code where You describe recipients' rights or ownership rights relating to Covered Code. You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Code. However, You may do so only on Your own behalf, and not on behalf of the Initial Developer or any Contributor. You must make it absolutely clear than any such warranty, support, indemnity or liability obligation is offered by You alone, and You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.6. Distribution of Executable Versions. You may distribute Covered Code in Executable form only if the requirements of Sections 3.1, 3.2, 3.3, 3.4 and 3.5 have been met for that Covered Code, and if You include a notice stating that the Source Code version of the Covered Code is available under the terms of this License, including a description of how and where You have fulfilled the obligations of Section 3.2. The notice must be conspicuously included in any notice in an Executable version, related documentation or collateral in which You describe recipients' rights relating to the Covered Code. You may distribute the Executable version of Covered Code or ownership rights under a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable version does not attempt to limit or alter the recipient's rights in the Source Code version from the rights set forth in this License. If You distribute the Executable version under a different license You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or any Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.7. Larger Works. You may create a Larger Work by combining Covered Code with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are

fulfilled for the Covered Code.

4. Inability to Comply Due to Statute or Regulation.

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Code due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be included in the LEGAL file described in Section 3.4 and must be included with all distributions of the Source Code. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Application of this License.
This License applies to code to which the Initial Developer has attached the notice in Exhibit A and to related Covered Code.

6. Versions of the License.

   6.1. New Versions
   Netscape Communications Corporation ("Netscape") may publish revised and/or new versions of the License from time to time. Each version will be given a distinguishing version number.

   6.2. Effect of New Versions
   Once Covered Code has been published under a particular version of the License, You may always continue to use it under the terms of that version. You may also choose to use such Covered Code under the terms of any subsequent version of the License published by Netscape. No one other than Netscape has the right to modify the terms applicable to Covered Code created under this License.

   6.3. Derivative Works
   If You create or use a modified version of this License (which you may only do in order to apply it to code which is not already Covered Code governed by this License), You must (a) rename Your license so that the phrases "Mozilla", "MOZILLAPL", "MOZPL", "Netscape", "MPL", "NPL" or any confusingly similar phrase do not appear in your license (except to note that your license differs from this License) and (b) otherwise make it clear that Your version of the license contains terms which differ from the Mozilla Public License and Netscape Public License. (Filling in the name of the Initial Developer, Original Code or Contributor in the notice described in Exhibit A shall not of themselves be deemed to be modifications of this License.)

7. DISCLAIMER OF WARRANTY
COVERED CODE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED CODE IS FREE OF DEFECTS, MERCHANTABLE, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGING. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE COVERED CODE IS WITH YOU. SHOULD ANY COVERED CODE PROVE DEFECTIVE IN ANY RESPECT, YOU (NOT THE INITIAL DEVELOPER OR ANY OTHER CONTRIBUTOR) ASSUME THE COST OF ANY NECESSARY SERVICING, REPAIR OR CORRECTION. THIS DISCLAIMER OF WARRANTY CONSTITUTES AN ESSENTIAL PART OF THIS LICENSE. NO USE OF ANY COVERED CODE IS AUTHORIZED HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

8. Termination

   8.1. This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. All sublicenses to the Covered Code which are properly granted shall survive any termination of this License. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

   8.2. If You initiate litigation by asserting a patent infringement claim (excluding declatory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You file such action is referred to as "Participant") alleging that:

      a. such Participant's Contributor Version directly or indirectly infringes any patent, then any and all rights granted by such Participant to You under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively, unless if within 60 days after receipt of notice You either: (i) agree in writing to pay Participant a mutually agreeable reasonable royalty for Your past and future use of Modifications made by such Participant, or (ii) withdraw Your litigation claim with respect to the Contributor Version against such Participant. If within 60 days of notice, a reasonable royalty and payment arrangement are not mutually agreed upon in writing by the parties or the litigation claim is not withdrawn, the rights granted by Participant to You under Sections 2.1 and/or 2.2 automatically terminate at the expiration of the 60 day notice period specified above.
      b. any software, hardware, or device, other than such Participant's Contributor Version, directly or indirectly infringes any patent, then any rights granted to You by such Participant under Sections 2.1(b) and 2.2(b) are revoked effective as of the date You first made, used, sold, distributed, or had made, Modifications made by that Participant.

   8.3. If You assert a patent infringement claim against Participant alleging that such Participant's Contributor Version directly or indirectly infringes any patent where such claim is resolved (such as by license or settlement) prior to the initiation of patent infringement litigation, then the reasonable value of the licenses granted by such Participant under Sections 2.1 or 2.2 shall be taken into account in determining the amount or value of any payment or license.

   8.4. In the event of termination under Sections 8.1 or 8.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or any distributor hereunder prior to termination shall survive termination.

9. LIMITATION OF LIABILITY
UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED CODE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY CHARACTER INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF GOODWILL, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, OR ANY AND ALL OTHER COMMERCIAL DAMAGES OR LOSSES, EVEN IF SUCH PARTY SHALL HAVE BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. THIS LIMITATION OF LIABILITY SHALL NOT APPLY TO LIABILITY FOR DEATH OR PERSONAL INJURY RESULTING FROM SUCH PARTY'S NEGLIGENCE TO THE

EXTENT APPLICABLE LAW PROHIBITS SUCH LIMITATION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS EXCLUSION AND LIMITATION MAY NOT APPLY TO YOU.

10. U.S. government end users
The Covered Code is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" and "commercial computer software documentation," as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Code with only those rights set forth herein.

11. Miscellaneous
This License represents the complete agreement concerning subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. This License shall be governed by California law provisions (except to the extent applicable law, if any, provides otherwise), excluding its conflict-of-law provisions. With respect to disputes in which at least one party is a citizen of, or an entity chartered or registered to do business in the United States of America, any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California, with venue lying in Santa Clara County, California, with the losing party responsible for costs, including without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License.

12. Responsibility for claims
As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

13. Multiple-licensed code
Initial Developer may designate portions of the Covered Code as "Multiple-Licensed". "Multiple-Licensed" means that the Initial Developer permits you to utilize portions of the Covered Code under Your choice of the MPL or the alternative licenses, if any, specified by the Initial Developer in the file described in Exhibit A.

Exhibit A - Mozilla Public License.

"The contents of this file are subject to the Mozilla Public License Version 1.1 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at http://www.mozilla.org/MPL/

Software distributed under the License is distributed on an "AS IS" basis, WITHOUT WARRANTY OF ANY KIND, either express or implied. See the License for the specific language governing rights and limitations under the License.

The Original Code is _____.

The Initial Developer of the Original Code is _____.
Portions created by _____ are Copyright (C) _____
_____. All Rights Reserved.

Contributor(s): _____.

Alternatively, the contents of this file may be used under the terms of the _____ license (the "[___] License"), in which case the provisions of [_____] License are applicable instead of those above. If you wish to allow use of your version of this file only under the terms of the [____] License and not to allow others to use your version of this file under the MPL, indicate your decision by deleting the provisions above and replace them with the notice and other provisions required by the [___] License. If you do not delete the provisions above, a recipient may use your version of this file under either the MPL or the [___] License."

NOTE: The text of this Exhibit A may differ slightly from the text of the notices in the Source Code files of the Original Code. You should use the text of this Exhibit A rather than the text found in the Original Code Source Code for Your Modifications.

MPL 2.0 or EPL 1.0 (H2)

http://h2database.com/html/license.html

License

Translate
<https://translate.google.com/translate?u=https%3A%2F%2Fh2database.com>
Search:

Highlight keyword(s)

Home <>
Download <>
Cheat Sheet <>

Documentation
Quickstart <>
Installation <>
Tutorial <>
Features <>
Security <>
Performance <>
Advanced <>

Reference
Commands <>
Functions <>
  Aggregate <> Window <>

Data Types <>
SQL Grammar <>
System Tables <>
Javadoc <>
PDF (2 MB)
<https://github.com/h2database/h2database/releases/download/version-2.2.224/h2.pdf>

Support
FAQ <>
Error Analyzer <>
Google Group <https://groups.google.com/g/h2-database>

Appendix
History <>
License <>
Build <>
Links <>
MVStore <>
Architecture <>
Migration to 2.0 <>

License
 Summary and License FAQ <>
 Mozilla Public License Version 2.0 <>
 Eclipse Public License - Version 1.0 <>
 Export Control Classification Number (ECCN) <>

Summary and License FAQ

 H2 is dual licensed and available under the MPL 2.0 (Mozilla Public License
Version 2.0 <https://www.mozilla.org/MPL/2.0>) or under the EPL 1.0 (Eclipse
Public License <https://opensource.org/licenses/eclipse-1.0.php>). There is a
license FAQ for both the MPL and the EPL.

 * You can use H2 for free.
 * You can integrate it into your applications (including in commercial
applications) and distribute it.
 * Files containing only your code are not covered by this license (it is
'commercial friendly').
 * Modifications to the H2 source code must be published.
 * You don't need to provide the source code of H2 if you did not modify
anything.
 * If you distribute a binary that includes H2, you need to add a disclaimer

of liability - see the example below.
 However, nobody is allowed to rename H2, modify it a little, and sell it as a
database engine without telling the customers it is in fact H2. This happened
to HSQLDB: a company called 'bungisoft' copied HSQLDB, renamed it to 'RedBase',
and tried to sell it, hiding the fact that it was in fact just HSQLDB. It seems
'bungisoft' does not exist any more, but you can use theWayback Machine
<https://archive.org/> and visit old web pages of http://www.bungisoft.com.

 About porting the source code to another language (for example C# or C++):
converted source code (even if done manually) stays under the same copyright
and license as the original code. The copyright of the ported source code does
not (automatically) go to the person who ported the code.

 If you distribute a binary that includes H2, you need to add the license and
a disclaimer of liability (as you should do for your own code). You should add
a disclaimer for each open source library you use. For example, add a file
3rdparty_license.txt in the directory where the jar files are, and list all
open source libraries, each one with its license and disclaimer. For H2, a
simple solution is to copy the following text below. You may also include a
copy of the complete license.
This software contains unmodified binary redistributions for H2 database
engine (https://h2database.com/), which is dual licensed and available under
the MPL 2.0 (Mozilla Public License) or under the EPL 1.0 (Eclipse Public
License). An original copy of the license agreement can be found at:
https://h2database.com/html/license.html
Mozilla Public License Version 2.0

1. Definitions

1.1. "Contributor" means each individual or legal entity that creates,
contributes to the creation of, or owns Covered Software.

1.2. "Contributor Version" means the combination of the Contributions of
others (if any) used by a Contributor and that particular Contributor's
Contribution.

1.3. "Contribution" means Covered Software of a particular Contributor.

1.4. "Covered Software" means Source Code Form to which the initial
Contributor has attached the notice in Exhibit A, the Executable Form of such
Source Code Form, and Modifications of such Source Code Form, in each case
including portions thereof.

1.5. "Incompatible With Secondary Licenses" means

a. that the initial Contributor has attached the notice described in Exhibit B
to the Covered Software; or

b. that the Covered Software was made available under the terms of version 1.1
or earlier of the License, but not also under the terms of a Secondary License.

1.6. "Executable Form" means any form of the work other than Source Code Form.

1.7. "Larger Work" means a work that combines Covered Software with other
material, in a separate file or files, that is not Covered Software.

1.8. "License" means this document.

1.9. "Licensable" means having the right to grant, to the maximum extent
possible, whether at the time of the initial grant or subsequently, any and all
of the rights conveyed by this License.

1.10. "Modifications" means any of the following:

a. any file in Source Code Form that results from an addition to, deletion
from, or modification of the contents of Covered Software; or

b. any new file in Source Code Form that contains any Covered Software.

1.11. "Patent Claims" of a Contributor means any patent claim(s), including
without limitation, method, process, and apparatus claims, in any patent
Licensable by such Contributor that would be infringed, but for the grant of
the License, by the making, using, selling, offering for sale, having made,
import, or transfer of either its Contributions or its Contributor Version.

1.12. "Secondary License" means either the GNU General Public License, Version
2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General

Public License, Version 3.0, or any later versions of those licenses.

1.13. "Source Code Form" means the form of the work preferred for making modifications.

1.14. "You" (or "Your") means an individual or a legal entity exercising rights under this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, "control" means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

 *

under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and

 *

under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

 *

for any code that a Contributor has removed from Covered Software; or

 *

for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or

 *

under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in
Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any
Modifications that You create or to which You contribute, must be under the
terms of this License. You must inform recipients that the Source Code Form of
the Covered Software is governed by the terms of this License, and how they can
obtain a copy of this License. You may not attempt to alter or restrict the
recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

 *

such Covered Software must also be made available in Source Code Form, as
described in Section 3.1, and You must inform recipients of the Executable Form
how they can obtain a copy of such Source Code Form by reasonable means in a
timely manner, at a charge no more than the cost of distribution to the
recipient; and

 *

You may distribute such Executable Form under the terms of this License, or
sublicense it under different terms, provided that the license for the
Executable Form does not attempt to limit or alter the recipients' rights in
the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice,
provided that You also comply with the requirements of this License for the
Covered Software. If the Larger Work is a combination of Covered Software with
a work governed by one or more Secondary Licenses, and the Covered Software is
not Incompatible With Secondary Licenses, this License permits You to
additionally distribute such Covered Software under the terms of such Secondary
License(s), so that the recipient of the Larger Work may, at their option,
further distribute the Covered Software under the terms of either this License
or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including
copyright notices, patent notices, disclaimers of warranty, or limitations of
liability) contained within the Source Code Form of the Covered Software,
except that You may alter any license notices to the extent required to remedy
known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity
or liability obligations to one or more recipients of Covered Software.
However, You may do so only on Your own behalf, and not on behalf of any
Contributor. You must make it absolutely clear that any such warranty, support,
indemnity, or liability obligation is offered by You alone, and You hereby
agree to indemnify every Contributor for any liability incurred by such
Contributor as a result of warranty, support, indemnity or liability terms You
offer. You may include additional disclaimers of warranty and limitations of
liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License
with respect to some or all of the Covered Software due to statute, judicial
order, or regulation then You must: (a) comply with the terms of this License
to the maximum extent possible; and (b) describe the limitations and the code
they affect. Such description must be placed in a text file included with all
distributions of the Covered Software under this License. Except to the extent
prohibited by statute or regulation, such description must be sufficiently
detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty

Covered Software is provided under this License on an "as is" basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party's ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version

number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice
This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, you can obtain one at https://mozilla.org/MPL/2.0
If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice
This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.
Eclipse Public License - Version 1.0

THE ACCOMPANYING PROGRAM IS PROVIDED UNDER THE TERMS OF THIS ECLIPSE PUBLIC LICENSE ("AGREEMENT"). ANY USE, REPRODUCTION OR DISTRIBUTION OF THE PROGRAM CONSTITUTES RECIPIENT'S ACCEPTANCE OF THIS AGREEMENT.

1. DEFINITIONS

"Contribution" means:

a) in the case of the initial Contributor, the initial code and documentation distributed under this Agreement, and

b) in the case of each subsequent Contributor:

i) changes to the Program, and

ii) additions to the Program;

where such changes and/or additions to the Program originate from and are distributed by that particular Contributor. A Contribution 'originates' from a Contributor if it was added to the Program by such Contributor itself or anyone acting on such Contributor's behalf. Contributions do not include additions to the Program which: (i) are separate modules of software distributed in conjunction with the Program under their own license agreement, and (ii) are not derivative works of the Program.

"Contributor" means any person or entity that distributes the Program.

"Licensed Patents " mean patent claims licensable by a Contributor which are necessarily infringed by the use or sale of its Contribution alone or when combined with the Program.

"Program" means the Contributions distributed in accordance with this Agreement.

"Recipient" means anyone who receives the Program under this Agreement, including all Contributors.

2. GRANT OF RIGHTS

a) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free copyright license to reproduce, prepare derivative works of, publicly display, publicly perform, distribute and sublicense the Contribution of such Contributor, if any, and such derivative works, in source code and object code form.

b) Subject to the terms of this Agreement, each Contributor hereby grants Recipient a non-exclusive, worldwide, royalty-free patent license under Licensed Patents to make, use, sell, offer to sell, import and otherwise transfer the Contribution of such Contributor, if any, in source code and object code form. This patent license shall apply to the combination of the Contribution and the Program if, at the time the Contribution is added by the Contributor, such addition of the Contribution causes such combination to be covered by the Licensed Patents. The patent license shall not apply to any other combinations which include the Contribution. No hardware per se is licensed hereunder.

c) Recipient understands that although each Contributor grants the licenses to its Contributions set forth herein, no assurances are provided by any Contributor that the Program does not infringe the patent or other intellectual property rights of any other entity. Each Contributor disclaims any liability to Recipient for claims brought by any other entity based on infringement of intellectual property rights or otherwise. As a condition to exercising the rights and licenses granted hereunder, each Recipient hereby assumes sole responsibility to secure any other intellectual property rights needed, if any. For example, if a third party patent license is required to allow Recipient to distribute the Program, it is Recipient's responsibility to acquire that license before distributing the Program.

d) Each Contributor represents that to its knowledge it has sufficient copyright rights in its Contribution, if any, to grant the copyright license set forth in this Agreement.

3. REQUIREMENTS

A Contributor may choose to distribute the Program in object code form under its own license agreement, provided that:

a) it complies with the terms and conditions of this Agreement; and

b) its license agreement:

i) effectively disclaims on behalf of all Contributors all warranties and conditions, express and implied, including warranties or conditions of title and non-infringement, and implied warranties or conditions of merchantability and fitness for a particular purpose;

ii) effectively excludes on behalf of all Contributors all liability for damages, including direct, indirect, special, incidental and consequential damages, such as lost profits;

iii) states that any provisions which differ from this Agreement are offered by that Contributor alone and not by any other party; and

iv) states that source code for the Program is available from such Contributor, and informs licensees how to obtain it in a reasonable manner on or through a medium customarily used for software exchange.

When the Program is made available in source code form:

a) it must be made available under this Agreement; and

b) a copy of this Agreement must be included with each copy of the Program.

Contributors may not remove or alter any copyright notices contained within the Program.

Each Contributor must identify itself as the originator of its Contribution, if any, in a manner that reasonably allows subsequent Recipients to identify the originator of the Contribution.

4. COMMERCIAL DISTRIBUTION

Commercial distributors of software may accept certain responsibilities with respect to end users, business partners and the like. While this license is intended to facilitate the commercial use of the Program, the Contributor who includes the Program in a commercial product offering should do so in a manner

which does not create potential liability for other Contributors. Therefore, if a Contributor includes the Program in a commercial product offering, such Contributor ("Commercial Contributor") hereby agrees to defend and indemnify every other Contributor ("Indemnified Contributor") against any losses, damages and costs (collectively "Losses") arising from claims, lawsuits and other legal actions brought by a third party against the Indemnified Contributor to the extent caused by the acts or omissions of such Commercial Contributor in connection with its distribution of the Program in a commercial product offering. The obligations in this section do not apply to any claims or Losses relating to any actual or alleged intellectual property infringement. In order to qualify, an Indemnified Contributor must: a) promptly notify the Commercial Contributor in writing of such claim, and b) allow the Commercial Contributor to control, and cooperate with the Commercial Contributor in, the defense and any related settlement negotiations. The Indemnified Contributor may participate in any such claim at its own expense.

 For example, a Contributor might include the Program in a commercial product offering, Product X. That Contributor is then a Commercial Contributor. If that Commercial Contributor then makes performance claims, or offers warranties related to Product X, those performance claims and warranties are such Commercial Contributor's responsibility alone. Under this section, the Commercial Contributor would have to defend claims against the other Contributors related to those performance claims and warranties, and if a court requires any other Contributor to pay any damages as a result, the Commercial Contributor must pay those damages.

5. NO WARRANTY

 EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, THE PROGRAM IS PROVIDED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OR CONDITIONS OF TITLE, NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Each Recipient is solely responsible for determining the appropriateness of using and distributing the Program and assumes all risks associated with its exercise of rights under this Agreement, including but not limited to the risks and costs of program errors, compliance with applicable laws, damage to or loss of data, programs or equipment, and unavailability or interruption of operations.

6. DISCLAIMER OF LIABILITY

 EXCEPT AS EXPRESSLY SET FORTH IN THIS AGREEMENT, NEITHER RECIPIENT NOR ANY CONTRIBUTORS SHALL HAVE ANY LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING WITHOUT LIMITATION LOST PROFITS), HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OR DISTRIBUTION OF THE PROGRAM OR THE EXERCISE OF ANY RIGHTS GRANTED HEREUNDER, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. GENERAL

 If any provision of this Agreement is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this Agreement, and without further action by the parties hereto, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

 If Recipient institutes patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Program itself (excluding combinations of the Program with other software or hardware) infringes such Recipient's patent(s), then such Recipient's rights granted under Section 2(b) shall terminate as of the date such litigation is filed.

 All Recipient's rights under this Agreement shall terminate if it fails to comply with any of the material terms or conditions of this Agreement and does not cure such failure in a reasonable period of time after becoming aware of such noncompliance. If all Recipient's rights under this Agreement terminate, Recipient agrees to cease use and distribution of the Program as soon as reasonably practicable. However, Recipient's obligations under this Agreement and any licenses granted by Recipient relating to the Program shall continue and survive.

 Everyone is permitted to copy and distribute copies of this Agreement, but in order to avoid inconsistency the Agreement is copyrighted and may only be modified in the following manner. The Agreement Steward reserves the right to publish new versions (including revisions) of this Agreement from time to time. No one other than the Agreement Steward has the right to modify this Agreement.

The Eclipse Foundation is the initial Agreement Steward. The Eclipse Foundation may assign the responsibility to serve as the Agreement Steward to a suitable separate entity. Each new version of the Agreement will be given a distinguishing version number. The Program (including Contributions) may always be distributed subject to the version of the Agreement under which it was received. In addition, after a new version of the Agreement is published, Contributor may elect to distribute the Program (including its Contributions) under the new version. Except as expressly stated in Sections 2(a) and 2(b) above, Recipient receives no rights or licenses to the intellectual property of any Contributor under this Agreement, whether expressly, by implication, estoppel or otherwise. All rights in the Program not expressly granted under this Agreement are reserved.

This Agreement is governed by the laws of the State of New York and the intellectual property laws of the United States of America. No party to this Agreement will bring a legal action under this Agreement more than one year after the cause of action arose. Each party waives its rights to a jury trial in any resulting litigation.

Export Control Classification Number (ECCN)

As far as we know, the U.S. Export Control Classification Number (ECCN) <https://www.bis.doc.gov/licensing/exportingbasics.htm> for this software is 5D002. However, for legal reasons, we can make no warranty that this information is correct. For details, see also theApache Software Foundation Export Classifications page <https://www.apache.org/licenses/exports/>.

NRL License

NRL License

COPYRIGHT NOTICE

All of the documentation and software included in this software distribution from the US Naval Research Laboratory (NRL) are copyrighted by their respective developers.

Portions of the software are derived from the Net/2 and 4.4-Lite Berkeley Software Distributions (BSD) of the University of California at Berkeley and those portions are copyright by The Regents of the University of California. All Rights Reserved. The UC Berkeley Copyright and License agreement is binding on those portions of the software. In all cases, the NRL developers have retained the original UC Berkeley copyright and license notices in the respective files in accordance with the UC Berkeley copyrights and license.

Portions of this software and documentation were developed at NRL by various people. Those developers have each copyrighted the portions that they developed at NRL and have assigned All Rights for those portions to NRL. Outside the USA, NRL has copyright on some of the software developed at NRL. The affected files all contain specific copyright notices and those notices must be retained in any derived work.

NRL LICENSE

NRL grants permission for redistribution and use in source and binary forms, with or without modification, of the software and documentation created at NRL provided that the following conditions are met:

    1. All terms of the UC Berkeley copyright and license must be followed.
    2. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
    3. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
    4. All advertising materials mentioning features or use of this software must display the following acknowledgements:

        This product includes software developed by the University of California, Berkeley and its contributors.

        This product includes software developed at the Information Technology Division, US Naval Research Laboratory.

    5. Neither the name of the NRL nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THE SOFTWARE PROVIDED BY NRL IS PROVIDED BY NRL AND CONTRIBUTORS AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL NRL OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of the US Naval Research Laboratory (NRL).

OGC copyright

```
<!doctype html>

<html class="no-js" lang="en">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1.0, user-scalable=no" />
<script src="//a.fsdn.com/con/js/min/sf.sandiego-cmp-top.js?1696867485"></script>
<link rel="stylesheet" href="//a.fsdn.com/con/css/sftheme/sandiego/cmp.css?1696867485">
<script>
     window.bizx.cmp.init({

     });
   </script>
<script type="text/javascript">
bizx.cmp.ifConsent('', ['all'], function () {
   var bt = 'https://btloader.com/tag?o=5098683085881344&upapi=true';
   bizx.cmp.embedScript(bt, true);
   window.addEventListener('AcceptableAdsInit', function (e) {
     if(e.detail) {
       console.log('acceptable ads on');
       SF.Ads.acceptable_ads_active = true;
     } else {
       console.log('acceptable ads off');
       SF.Ads.acceptable_ads_active = false;
     }
   });
});
</script>
<script>
        /*global unescape, window, SF*/
        // Setup our namespace
        if (!window.SF) { window.SF = {}; }
        if (!window.net) { window.net = {}; }
        if (!window.net.sf) { window.net.sf = {}; }
        SF.Ads = {};
        SF.cdn = '//a.fsdn.com/con';
        SF.deploy_time = '1696867485';
        SF.sandiego = true;
        SF.sandiego_chrome = true;
        SF.variant = 'sf';

        SF.Breakpoints = {
          small: 0,
          medium: 640,
          leaderboard: 743,
          billboard: 985,
          large: 1053,
          xlarge: 1295,
          xxlarge: 1366
        };
        SF.initial_breakpoints_visible = {};
        for (var bp in SF.Breakpoints) {
           if (!SF.Breakpoints.hasOwnProperty(bp)) {
              continue;
           }
           SF.initial_breakpoints_visible[bp] = !window.matchMedia || window.matchMedia('(min-width: ' + SF.Breakpoints[bp] +
'px)').matches;
        }


        SF.Ads.viewportWidth = Math.max(document.documentElement.clientWidth, window.innerWidth || 0);
        SF.Ads.viewportHeight = Math.max(document.documentElement.clientHeight, window.innerHeight || 0);

    </script><script>

      SF.Ads.prebidOptions = {
          showIndicators: false,
          analytics: false,
          timeout: 650,
          timeouts_by_bids: {650: 3, 2000: 1, 3000: 0},
          pbjsConfig: {userSync: { filterSettings: { iframe: {
```

```
          filter: 'include',
          bidders: ['pubmatic', 'smartadserver']
      } } },
    },
    };

SF.Ads.prebidUnits = [];if (SF.initial_breakpoints_visible.leaderboard) {
    var thisUnit = {
        bids: [{"bidder":"sovrn","params":{"tagid":"364652"}},
            {"bidder":"rubicon","params":{"zoneId":"486000","sizes":[2],"position":"atf","accountId":"15680","siteId":"103240"}},
            {"bidder":"appnexus","params":{"placementId":9265107}},
            {"bidder":"sharethrough","params":{"pkey":"0O0HaNkULcWUqgdT4RyA3HmD"}},
            {"bidder":"pubmatic","params":{"adSlot":"4741589","publisherId":"162538"}},
            ],
        code: 'div-gpt-ad-1394209358853-0',
        tag: 'SF_ProjectSum_728x90_A',
        mediaTypes: { banner: { sizes: [] } }
    };
    if (SF.Ads.viewportWidth >= 728 && SF.Ads.viewportHeight >= 200){
        thisUnit.mediaTypes.banner.sizes = [[728,90]];
    }
    if (SF.Ads.viewportWidth >= 970 && SF.Ads.viewportHeight >= 901){
        thisUnit.mediaTypes.banner.sizes = [[728,90],[970,250]];
    }

    SF.Ads.prebidUnits.push(thisUnit);
}
if (!SF.initial_breakpoints_visible.leaderboard) {
    var thisUnit = {
        bids: [{"bidder":"sovrn","params":{"tagid":"542316"}},
            {"bidder":"rubicon","params":{"zoneId":"610848","sizes":[43],"position":"atf","accountId":"15680","siteId":"103240"}},
            {"bidder":"appnexus","params":{"placementId":12559081}},
            {"bidder":"sharethrough","params":{"pkey":"BMaGll19W57KKQXdp5OJTkmO"}},
            {"bidder":"pubmatic","params":{"adSlot":"4845070","publisherId":"162538"}},
            ],
        code: 'div-gpt-ad-1512154506943-0',
        tag: 'SF_Mobile_320x50_A',
        mediaTypes: { banner: { sizes: [[320, 50]] } }
    };

    SF.Ads.prebidUnits.push(thisUnit);
}
if (SF.initial_breakpoints_visible.large) {
    var thisUnit = {
        bids: [{"bidder":"sovrn","params":{"tagid":"364649"}},
            {"bidder":"rubicon","params":{"zoneId":"486000","sizes":[15,10],"position":"atf","accountId":"15680","siteId":"103240"}},
            {"bidder":"appnexus","params":{"placementId":9265108}},
            {"bidder":"sharethrough","params":{"pkey":"wRfKsiMDUYdf3l7d5oiqLGNN"}},
            {"bidder":"pubmatic","params":{"adSlot":"4741586","publisherId":"162538"}},
            ],
        code: 'div-gpt-ad-1394209358855-0',
        tag: 'SF_ProjectSum_300x250_A',
        mediaTypes: { banner: { sizes: [[300, 250], [300, 600]] } }
    };

    SF.Ads.prebidUnits.push(thisUnit);
}
if (SF.initial_breakpoints_visible.large) {
    var thisUnit = {
        bids: [{"bidder":"sovrn","params":{"tagid":"364650"}},
            {"bidder":"rubicon","params":{"zoneId":"486010","sizes":[15],"accountId":"15680","siteId":"103240"}},
            {"bidder":"appnexus","params":{"placementId":9265109}},
            {"bidder":"sharethrough","params":{"pkey":"7HxEnZ0CEMTA5NRl4AUaORu0"}},
            {"bidder":"pubmatic","params":{"adSlot":"4741587","publisherId":"162538"}},
            ],
        code: 'div-gpt-ad-1394209358856-0',
        tag: 'SF_ProjectSum_300x250_B',
        mediaTypes: { banner: { sizes: [[300, 250]] } }
    };

    SF.Ads.prebidUnits.push(thisUnit);
}
if (SF.initial_breakpoints_visible.large) {
    var thisUnit = {
        bids: [{"bidder":"sovrn","params":{"tagid":"364651"}},
            {"bidder":"rubicon","params":{"zoneId":"486010","sizes":[15],"accountId":"15680","siteId":"103240"}},
            {"bidder":"appnexus","params":{"placementId":9265110}},
```

```
                {"bidder":"sharethrough","params":{"pkey":"rvuxL42mH8PIbkmQJS7tHEZh"}},
                {"bidder":"pubmatic","params":{"adSlot":"4741588","publisherId":"162538"}},
                ],
            code: 'div-gpt-ad-1394209358857-0',
            tag: 'SF_ProjectSum_300x250_C',
            mediaTypes: { banner: { sizes: [[300, 250]] } }
        };

    SF.Ads.prebidUnits.push(thisUnit);
}
if (SF.initial_breakpoints_visible.leaderboard) {
    var thisUnit = {
        bids: [{"bidder":"sovrn","params":{"tagid":"364655"}},
                {"bidder":"rubicon","params":{"zoneId":"486010","sizes":[2],"accountId":"15680","siteId":"103240"}},
                {"bidder":"appnexus","params":{"placementId":9265111}},
                {"bidder":"sharethrough","params":{"pkey":"gxlPOpGoCVd0mEaTT2EaPIkD"}},
                {"bidder":"pubmatic","params":{"adSlot":"4741590","publisherId":"162538"}},
                ],
            code: 'div-gpt-ad-1392148208790-0',
            tag: 'SF_ProjectSum_728x90_B',
            mediaTypes: { banner: { sizes: [] } }
        };
    if (SF.Ads.viewportWidth >= 728 && SF.Ads.viewportHeight >= 200){
        thisUnit.mediaTypes.banner.sizes = [[728,90]];
    }
    if (SF.Ads.viewportWidth >= 1280 && SF.Ads.viewportHeight >= 200){
        thisUnit.mediaTypes.banner.sizes = [[728,90],[970,250]];
    }

    SF.Ads.prebidUnits.push(thisUnit);
}
if (!SF.initial_breakpoints_visible.leaderboard) {
    var thisUnit = {
        bids: [{"bidder":"sovrn","params":{"tagid":"542317"}},
                {"bidder":"rubicon","params":{"zoneId":"798260","sizes":[43],"accountId":"15680","siteId":"103240"}},
                {"bidder":"appnexus","params":{"placementId":12559084}},
                {"bidder":"sharethrough","params":{"pkey":"SXwmmIIkcmWjzHzA894YxcyC"}},
                {"bidder":"pubmatic","params":{"adSlot":"4845074","publisherId":"162538"}},
                ],
            code: 'div-gpt-ad-1512154653435-0',
            tag: 'SF_Mobile_Multi_B',
            mediaTypes: { banner: { sizes: [[300, 50], [300, 250], [320, 50], [320, 100]] } }
        };

    SF.Ads.prebidUnits.push(thisUnit);
}
if (SF.initial_breakpoints_visible.leaderboard) {
    var thisUnit = {
        bids: [{"bidder":"sovrn","params":{"tagid":"542319"}},
                {"bidder":"rubicon","params":{"zoneId":"486010","sizes":[2],"accountId":"15680","siteId":"103240"}},
                {"bidder":"appnexus","params":{"placementId":12559070}},
                {"bidder":"sharethrough","params":{"pkey":"ocrhilNvTSAhgL1EczYFJ2hy"}},
                {"bidder":"pubmatic","params":{"adSlot":"4845073","publisherId":"162538"}},
                ],
            code: 'div-gpt-ad-1491500833666-0',
            tag: 'SF_ProjectSum_728x90_C',
            mediaTypes: { banner: { sizes: [] } }
        };
    if (SF.Ads.viewportWidth >= 728 && SF.Ads.viewportHeight >= 200){
        thisUnit.mediaTypes.banner.sizes = [[728,90]];
    }
    if (SF.Ads.viewportWidth >= 1280 && SF.Ads.viewportHeight >= 200){
        thisUnit.mediaTypes.banner.sizes = [[728,90],[970,250]];
    }

    SF.Ads.prebidUnits.push(thisUnit);
}
if (!SF.initial_breakpoints_visible.leaderboard) {
    var thisUnit = {
        bids: [{"bidder":"sovrn","params":{"tagid":"542318"}},
                {"bidder":"rubicon","params":{"zoneId":"798260","sizes":[43],"accountId":"15680","siteId":"103240"}},
                {"bidder":"appnexus","params":{"placementId":12559087}},
                {"bidder":"sharethrough","params":{"pkey":"fHzpAnRYW6tF9CT8ux9oAtwB"}},
                {"bidder":"pubmatic","params":{"adSlot":"4845075","publisherId":"162538"}},
                ],
            code: 'div-gpt-ad-1512154755912-0',
            tag: 'SF_Mobile_Multi_C',
```

```
              mediaTypes: { banner: { sizes: [[300, 50], [300, 250], [320, 50], [320, 100]] } }
          };

              SF.Ads.prebidUnits.push(thisUnit);
      }
      SF.Ads.prebidAdjustments = {"bidder_deflations":{"aardvark":1,"aol":0.98,"appnexus":1.05,"brealtime":0.98,"districtm":1.04,"districtm
dmx":1.08,"emxdigital":1,"indexex#hange":0.98,"indexexchange":0.95,"komoona":0.92,"oftmedia":0.9,"onefiftytwo":0.9,"pubmatic":1.02,"puls
epoint":0.93,"rhythmone":0.85,"rubicon":1.3,"rubiconlite":1,"sharethrough":1.03,"sovrn":1.03,"springserve":0.001},"inflation":1,"floor":0.02};
      </script>
<script id="pbjs_script" data-dom="https://d3tglifpd8whs6.cloudfront.net" src="//a.fsdn.com/con/js/sftheme/vendor/bizx-prebid.
js?1696867485"></script>
<script>
      bizx.cmp.ifConsent('', ['all', 'prebid'], function () {
          if (window.bizxPrebid) {
              window.bizxPrebid.Ads.initPrebid(window.bizxPrebid.adUnits);
          }
      }, function() {
          // no 'prebid' consent (e.g. region without prebid consent string support) but try GPT directly
          bizx.cmp.ifConsent('', ['all', 'google-ads'], function () {
              bizx.cmp.embedScript('https://securepubads.g.doubleclick.net/tag/js/gpt.js');
          });
      });
      </script>
<link rel="stylesheet" href="//a.fsdn.com/con/css/lato.css?1696867485">
<link rel="stylesheet" href="//a.fsdn.com/con/css/sandiego.css?1696867485">
<meta name="description" content="Download GeoAPI for free. Set of Java interfaces for geospatial applications. The development
community in building GIS solutions is sustaining an enormous level of effort. The GeoAPI project aims to reduce duplication and increase
interoperability by providing neutral, interface-only APIs derived from OGC/ISO Standards." />
<meta name="keywords" content="GeoAPI, download GeoAPI free, Libraries, GIS" />
<meta property="og:title" content="GeoAPI" />
<meta property="og:type" content="product" />
<meta property="og:image" content="https://a.fsdn.com/allura/p/geoapi/icon?1417590651" />
<meta property="og:url" content="https://sourceforge.net/projects/geoapi/" />
<meta property="og:site_name" content="SourceForge" />
<meta property="og:description" content="Download GeoAPI for free. Set of Java interfaces for geospatial applications. The development
community in building GIS solutions is sustaining an enormous level of effort. The GeoAPI project aims to reduce duplication and increase
interoperability by providing neutral, interface-only APIs derived from OGC/ISO Standards." />
<title>GeoAPI download | SourceForge.net</title>
<link rel="icon" sizes="180x180" href="//a.fsdn.com/con/img/sandiego/logo-180x180.png" type="image/png">
<link rel="icon" sizes="any" href="//a.fsdn.com/con/img/sandiego/svg/originals/sf-icon-orange-no_sf.svg" type="image/svg+xml">
<link rel="apple-touch-icon" sizes="180x180" href="//a.fsdn.com/con/img/sandiego/logo-180x180.png">
<link rel="mask-icon" href="//a.fsdn.com/con/img/sandiego/svg/originals/sf-icon-orange-no_sf.svg" color="#FF6600">
<script>
      /*global unescape, window, console, jQuery, $, net, SF, DD_belatedPNG, bizx  */
      if (!window.SF) {
          window.SF = {};
      }SF.EU_country_codes = ["YT","RO","SI","AW","SE","GG","GF","ME","FR","IE","LV","PF","CZ","CY","ES","GI","KY","PN","GR","FK","
SH","BL","HU","LT","NL","MQ","VG","BG","GS","CW","IO","HR","GP","DK","FI","PT","TC","AX","JE","GL","PM","TF","EE","RE","MF","AI","DE
","BE","BM","SX","IT","WF","MS","SK","MT","NC","AT","PL","LU","GB"];
          SF.unknown_country_codes = ["","A1","A2","O1"];
      </script>
<script src="//a.fsdn.com/con/js/min/sf.sandiego-head.js?1696867485"></script>
<style>.we0a1014b35172b1332f3fe2ca0d3c515b32d77f7 { display: none !important; }</style>
<link rel="alternate" type="application/rss+xml" title="GeoAPI&#8230;Recent Activity" href="/p/geoapi/activity/feed" />
<link rel="alternate" type="application/rss+xml" title="GeoAPI&#8230;File Releases" href="/projects/geoapi/rss?path=/" />
<link rel="canonical" href="https://sourceforge.net/projects/geoapi/">
<script>SF.adblock = true;</script>
<script src="//a.fsdn.com/con/js/adgenerator.js?1696867485"></script>
<script>
    /*global Foundation */
      /*global googletag, bizxPrebid */
      SF.Ads.gptExpected();
    var gptadslots=[];
    var gptadHandlers={};
    var gptadRenderers=[];
    SF.Ads.slotsById = {};
    SF.Ads.idsByPath = {};

    googletag.cmd.push(function() {
        var leaderboard = googletag.sizeMapping()
          .addSize([970, 901], [[728,90],[970,250]])
          .addSize([728, 200], [[728,90]])
          .build();
        var leaderboardInContent = googletag.sizeMapping()
          .addSize([1280, 200], [[728,90],[970,250]])
          .addSize([728, 200], [[728,90]])
          .build();
```

```
//prebid_log('GPT push define slots and targeting');
googletag.pubads()
.setForceSafeFrame(true)
.setTargeting('usingSafeFrame','1')
.setSafeFrameConfig({
    allowOverlayExpansion: true,
    allowPushExpansion: true,
    sandbox: true
});

var thisSlot;
thisSlot = googletag.defineSlot('/41014381/Sourceforge/SF_ProjectSum_728x90_A',
                    [728, 90],'div-gpt-ad-1394209358853-0')
                .defineSizeMapping( leaderboard )
                .addService(googletag.pubads())
                  .setTargeting('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                  .setTargeting('shortname',"geoapi")
                  .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                  .setTargeting('page_type',"pg_project");
gptadslots.push(thisSlot);
SF.Ads.slotsById['div-gpt-ad-1394209358853-0'] = thisSlot;
SF.Ads.idsByPath['/41014381/Sourceforge/SF_ProjectSum_728x90_A'] = 'div-gpt-ad-1394209358853-0';
thisSlot = googletag.defineSlot('/41014381/Sourceforge/SF_Mobile_320x50_A',[320, 50],'div-gpt-ad-1512154506943-0')
                .addService(googletag.pubads())
                  .setTargeting('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                  .setTargeting('shortname',"geoapi")
                  .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                  .setTargeting('sz',"320x50")
                  .setTargeting('page_type',"pg_project");
gptadslots.push(thisSlot);
SF.Ads.slotsById['div-gpt-ad-1512154506943-0'] = thisSlot;
SF.Ads.idsByPath['/41014381/Sourceforge/SF_Mobile_320x50_A'] = 'div-gpt-ad-1512154506943-0';
thisSlot = googletag.defineSlot('/41014381/Sourceforge/SF_ProjectSum_300x250_A',[[300, 250], [300, 600]],'div-gpt-ad-
1394209358855-0')
                .addService(googletag.pubads())
                  .setTargeting('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                  .setTargeting('shortname',"geoapi")
                  .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                  .setTargeting('sz',"300x250,300x600")
                  .setTargeting('page_type',"pg_project");
gptadslots.push(thisSlot);
SF.Ads.slotsById['div-gpt-ad-1394209358855-0'] = thisSlot;
SF.Ads.idsByPath['/41014381/Sourceforge/SF_ProjectSum_300x250_A'] = 'div-gpt-ad-1394209358855-0';
thisSlot = googletag.defineSlot('/41014381/Sourceforge/SF_ProjectSum_300x250_B',[300, 250],'div-gpt-ad-1394209358856-0')
                .addService(googletag.pubads())
                  .setTargeting('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                  .setTargeting('shortname',"geoapi")
                  .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                  .setTargeting('sz',"300x250")
                  .setTargeting('page_type',"pg_project");
gptadslots.push(thisSlot);
SF.Ads.slotsById['div-gpt-ad-1394209358856-0'] = thisSlot;
SF.Ads.idsByPath['/41014381/Sourceforge/SF_ProjectSum_300x250_B'] = 'div-gpt-ad-1394209358856-0';
thisSlot = googletag.defineSlot('/41014381/Sourceforge/SF_ProjectSum_300x250_C',[300, 250],'div-gpt-ad-1394209358857-0')
                .addService(googletag.pubads())
                  .setTargeting('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                  .setTargeting('shortname',"geoapi")
                  .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                  .setTargeting('sz',"300x250")
                  .setTargeting('page_type',"pg_project");
gptadslots.push(thisSlot);
SF.Ads.slotsById['div-gpt-ad-1394209358857-0'] = thisSlot;
SF.Ads.idsByPath['/41014381/Sourceforge/SF_ProjectSum_300x250_C'] = 'div-gpt-ad-1394209358857-0';
thisSlot = googletag.defineSlot('/41014381/Sourceforge/SF_ProjectSum_728x90_B',
                    [728, 90],'div-gpt-ad-1392148208790-0')
                .defineSizeMapping( leaderboardInContent )
                .addService(googletag.pubads())
                  .setTargeting('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                  .setTargeting('shortname',"geoapi")
                  .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                  .setTargeting('page_type',"pg_project");
gptadslots.push(thisSlot);
SF.Ads.slotsById['div-gpt-ad-1392148208790-0'] = thisSlot;
SF.Ads.idsByPath['/41014381/Sourceforge/SF_ProjectSum_728x90_B'] = 'div-gpt-ad-1392148208790-0';
thisSlot = googletag.defineSlot('/41014381/Sourceforge/SF_Mobile_Multi_B',[[300, 50], [300, 250], [320, 50], [320, 100]],'div-gpt-
ad-1512154653435-0')
                .addService(googletag.pubads())
```

```
                                        .setTarget('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                                        .setTargeting('shortname',"geoapi")
                                        .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                                        .setTargeting('sz',"300x50,300x250,320x50,320x100")
                                        .setTargeting('page_type',"pg_project");
            gptadslots.push(thisSlot);
            SF.Ads.slotsById['div-gpt-ad-1512154653435-0'] = thisSlot;
            SF.Ads.idsByPath['/41014381/Sourceforge/SF_Mobile_Multi_B'] = 'div-gpt-ad-1512154653435-0';
            thisSlot = googletag.defineSlot('/41014381/Sourceforge/SF_ProjectSum_728x90_C',
                                    [728, 90],'div-gpt-ad-1491500833666-0')
                                .defineSizeMapping( leaderboardInContent )
                                .addService(googletag.pubads())
                                    .setTargeting('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                                    .setTargeting('shortname',"geoapi")
                                    .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                                    .setTargeting('page_type',"pg_project");
            gptadslots.push(thisSlot);
            SF.Ads.slotsById['div-gpt-ad-1491500833666-0'] = thisSlot;
            SF.Ads.idsByPath['/41014381/Sourceforge/SF_ProjectSum_728x90_C'] = 'div-gpt-ad-1491500833666-0';
            thisSlot = googletag.defineSlot('/41014381/Sourceforge/SF_Mobile_Multi_C',[[300, 50], [300, 250], [320, 50], [320, 100]],'div-gpt-
ad-1512154755912-0')
                                    .addService(googletag.pubads())
                                        .setTargeting('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                                        .setTargeting('shortname',"geoapi")
                                        .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                                        .setTargeting('sz',"300x50,300x250,320x50,320x100")
                                        .setTargeting('page_type',"pg_project");
            gptadslots.push(thisSlot);
            SF.Ads.slotsById['div-gpt-ad-1512154755912-0'] = thisSlot;
            SF.Ads.idsByPath['/41014381/Sourceforge/SF_Mobile_Multi_C'] = 'div-gpt-ad-1512154755912-0';
            thisSlot = googletag.defineSlot('/7346874/SF-300x250',[300, 250],'div-gpt-ad-1392148208795-0')
                                    .addService(googletag.pubads())
                                        .setTargeting('oss_tpc',["GIS","Libraries","Mapping","Scientific/Engineering","Software Development"])
                                        .setTargeting('shortname',"geoapi")
                                        .setTargeting('dc_ref',"https://sourceforge.net/projects/geoapi/")
                                        .setTargeting('sz',"300x250")
                                        .setTargeting('page_type',"pg_project");
            gptadslots.push(thisSlot);
            SF.Ads.slotsById['div-gpt-ad-1392148208795-0'] = thisSlot;
            SF.Ads.idsByPath['/7346874/SF-300x250'] = 'div-gpt-ad-1392148208795-0';


            googletag.pubads().setTargeting('requestSource', 'GPT');
            googletag.pubads().enableAsyncRendering();

            googletag.pubads().collapseEmptyDivs();
            googletag.pubads().addEventListener('slotOnload', function(event) {
                SF.Ads.Helpers.getSizeAndSetClass.call(this, event);
            });
            googletag.pubads().addEventListener('slotRenderEnded', function(event) {
                var unitName = event.slot.getAdUnitPath();
                if ( unitName in gptadHandlers ) {
                for (var i = 0; i < gptadHandlers[unitName].length; i++) {
                    try {
                        SF.Ads.RenderHandlers[gptadHandlers[unitName][i]].call(this, event);
                    } catch (e) {
                    }
                }
                }

                SF.Ads.RenderHandlers.decorateSizeDelivered.call(this, event);
                if(SF.Ads.scrollFixable) {
                    SF.Ads.scrollFixable.scrollRelocate();
                }
            });
            googletag.pubads().addEventListener('slotVisibilityChanged', SF.Ads.visibilityChangedTracker);
            SF.Ads.setupAdRefresh();
            googletag.pubads().addEventListener('impressionViewable', SF.Ads.RenderHandlers.viewabilityInstrumentation);

            googletag.pubads().addEventListener('slotRenderEnded', SF.Ads.listenerForBlockThis);
            bizxPrebid.Ads.pushToGoogle();

            googletag.enableServices();

            if ($.isEmptyObject(SF.Ads.slotsById)) {
                $('body').addClass("no-ads");
            }
```

```
                    });
        </script>
<script>
        function initPiwik(){
            var _paq = window._paq = window._paq || [];
            _paq.push(['trackPageView', document.title, {
                    dimension1: 'geoapi',
                dimension2: 'pg_project',
                dimension3: SF.devicePixelRatio,

            }]);
            _paq.push(['enableLinkTracking']);

            (function() {
                var u="//analytics.slashdotmedia.com/";
                _paq.push(['setTrackerUrl', u+'sf.php']);
                _paq.push(['setSiteId', 39]);


                var interval = 6 * 60 * 60 * 1000; // 6 hrs, expressed in ms
                var vid_date = new Date(localStorage.getItem('vid_date'));
                if (new Date() - vid_date >= interval) {
                    _paq.push([ function() {
                        $.post({
                            url: '/p/sfapi/push_vid',
                            data: JSON.stringify({
                                bombora_id: "c278c68a-a0ee-4631-9bb7-a2d6d38a0a17",
                                matomo_id: this.getVisitorId()
                            })
                        })
                        .always(function(){
                            localStorage.setItem('vid_date', new Date());
                        });
                    }]);
                }


                var d=document, g=d.createElement('script'), s=d.getElementsByTagName('script')[0];
                g.type='text/javascript'; g.async=true; g.defer=true; g.src=u+'sf.js'; s.parentNode.insertBefore(g,s);
            })();
        }
        bizx.cmp.ifConsent('publisher', ['storage', 'measurement'], initPiwik);
    </script>
<script type="application/ld+json">
        {
            "@context": "http://schema.org",
            "@type": "WebSite",
            "name": "SourceForge",
            "url": "https://sourceforge.net/"
        }
        </script>
</head>
<body id="pg_project" class="  anonymous has-ads sandiego v-sf">
<div id="busy-spinner"></div>
<div id="messages">
</div>
<div class="off-canvas position-right" id="offCanvas" data-off-canvas>

<ul class="header-nav-menulist">
<li class="highlight search">
<form method="get" action="/directory/" class="m-search-form">
<input type="text" placeholder="Search for software or solutions" autocomplete="off" name="q">
<label>
<input type="submit" class="bt" value>
<svg data-name="search" viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M1216 832q0-185-131.5-316.5t-
316.5-131.5-316.5 131.5-131.5 316.5 131.5 316.5 316.5 131.5 316.5-131.5 131.5-316.5zm512 832q0 52-38 90t-90 38q-54 0-90-38l-
343-342q-179 124-399 124-143 0-273.5-55.5t-225-150-150-225-55.5-273.5 55.5-273.5 150-225 225-150 273.5-55.5 273.5 55.5 225 150
150 225 55.5 273.5q0 220-124 399l343 343q37 37 37 90z" /></svg>
</label>
</form>
</li>
<li class="highlight"><a href="https://sourceforge.net/auth/">Join/Login</a></li>
<li><a href="/directory/">Open Source Software</a></li>
<li><a href="/software/">Business Software</a></li>
<li><a href="/blog/" title="Blog">Blog</a></li>
<li><a href="/about">About</a></li>
<li><a id="header-nav-more" data-toggle="header-nav-more header-nav-more-content" data-toggler=".toggled">More</a></li>
```

```html
<li>
<ul id="header-nav-more-content" class="toggled" data-toggler=".toggled">
<li><a href="/articles/">Articles</a></li>
<li><a href="/create">Create</a></li>
<li><a href="/learn/">Learn</a></li>
<li><a href="https://sourceforge.net/p/forge/documentation/Docs%20Home/">Site Documentation</a></li>
<li><a href="/user/newsletters">Subscribe to our Newsletter</a></li>
<li><a href="/support">Support Request</a></li>
</ul>
</li>
</ul>
</div>
<div class="off-canvas-content" data-off-canvas-content>
<script>
    SF.linkout_icon = '<svg  data-name="sf-linkout-icon" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 300" style="enable-background:new 0 0 300 300;" xml:space="preserve"><polygon class="st0" points="243.2,243.2 56.8,243.2 56.8,56.8 123,56.8 123,9 9,9 9,291 291,291 291,179.4 243.2,179 "/><polygon class="st0" points="128.5,213 155,186.5 176,165.5 206.7,196.3 235.5,132.5 248.9,102.6 290.6,9.8 291,9 290.6,9.2 197.4,51.1 169.1,63.8 103.7,93.3 137,126.5 115.9,147.5 89.5,174 "/></svg>';
</script>
<section class="sandiego l-header-nav-top show-for-large">
<div class="row">
<a href="/" title="Home" class="sf-logo">
<img src="//a.fsdn.com/con/images/sandiego/sf-logo-full.svg" alt="SourceForge logo" class="sf-logo-full" />
</a>
<nav class="links">
<a href="/software/vendors/" title="For Vendors">For Vendors</a>
<a href="/support" title="Help">Help</a>
<a href="/create/" title="Create">Create</a>
<a href="/user/registration" title="Join">Join</a>
<a href="https://sourceforge.net/auth/" title="Login">Login</a>
</nav>
</div>
</section>
<div class="l-header-nav sticky sandiego l-header-nav-collapse">
<section class="sandiego l-header-nav-top hide-for-large">
<div class="row">
<a href="/" title="Home" class="sf-logo">
<img src="//a.fsdn.com/con/images/sandiego/sf-logo-full.svg" alt="SourceForge logo" class="sf-logo-full" />
</a>
<div class="title-bar-right">
<button type="button" class="menu-icon" data-toggle="offCanvas"></button>
</div>
</div>
</section>
<section class="sandiego l-header-nav-bottom">
<nav class="row">
<a href="/" title="Home" class="sf-logo">
<img src="//a.fsdn.com/con/images/sandiego/sf-logo-full.svg" alt="SourceForge logo" class="sf-logo-full" />
</a>
<div class="links">
<div class="nav-dropdown">
<a href="/directory/" title="Browse">Open Source Software</a>
</div>
<div class="nav-dropdown">
<a href="/software/">Business Software</a>
</div>
<div class="nav-dropdown">
<a>Resources</a>
<ul class="nav-dropdown-menu">
<li><a href="/articles/">Articles</a></li>
<li><a href="/learn/">Learn</a></li>
<li><a href="/blog/">Blog</a></li>
</ul>
</div>
<div class="dev-menu-when-stuck">
Menu
<ul class="dev-menu-dropdown header-nav-menulist">
<li><a href="/support">Help</a></li>
<li><a href="/create">Create</a></li>
<li><a href="/user/registration/" title="Join">Join</a></li>
<li><a href="https://sourceforge.net/auth/" title="Login">Login</a></li>
</ul>
</div>
<div class="search-toggle-when-stuck">
<a class="search-toggle">
<svg data-name="search" viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M1216 832q0-185-131.5-316.5t-316.5-131.5-316.5 131.5-316.5 316.5 131.5 316.5 316.5 131.5 316.5-131.5 131.5-316.5zm512 832q0 52-38 90t-90 38q-54 0-90-38l-
```

343-342q-179 124-399 124-143 0-273.5-55.5t-225-150-150-225-55.5-273.5 55.5-273.5 150-225 225-150 273.5-55.5 273.5 55.5 225 150 150 225 55.5 273.5q0 220-124 399l343 343q37 37 37 90z" /></svg>

</div>
</div>
<div class="search">
<div class="github-sync-button">

<img src="//a.fsdn.com/con/images/sandiego/github-sync.png" srcset="//a.fsdn.com/con/images/sandiego/github-sync_2x.png 2x"
alt="GitHub sync" id="github-sync" />

</div>
<form method="get" action="/directory/" class="m-search-form">
<div class="typeahead__container">
<div class="typeahead__field">
<div class="typeahead__query">
<input type="text" placeholder="Search for software or solutions" autocomplete="off" name="q">
</div>
<label>
<input type="submit" class="bt" value>
<svg data-name="search" viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M1216 832q0-185-131.5-316.5t-316.5-131.5-316.5 131.5-131.5 316.5 131.5 316.5 316.5 131.5 316.5-131.5 131.5-316.5zm512 832q0 52-38 90t-90 38q-54 0-90-38l-343-342q-179 124-399 124-143 0-273.5-55.5t-225-150-150-225-55.5-273.5 55.5-273.5 150-225 225-150 273.5-55.5 273.5 55.5 225 150 150 225 55.5 273.5q0 220-124 399l343 343q37 37 37 90z" /></svg>
</label>
</div>
</div>
</form>
</div>
</nav>
</section>
<div id="banner-sterling" class="sterling">
<div id="SF_ProjectSum_728x90_A_wrapped" data-id="div-gpt-ad-1394209358853-0" class="draper
visibility_rules
 v_970_billboard v_728_leaderboard ">
</div>
<script>
/*global googletag */
if (SF.initial_breakpoints_visible.leaderboard) {
(function(){

    var el = document.getElementById('SF_ProjectSum_728x90_A_wrapped');
    var newNode = document.createElement('div');
    newNode.id = 'div-gpt-ad-1394209358853-0';
    el.appendChild(newNode);
}());

gptadRenderers['SF_ProjectSum_728x90_A'] = function(){ // jshint ignore:line

    if (!SF.adblock) {
        $('#div-gpt-ad-1394209358853-0').parents('.draper').css("min-height", 90 + 13 + 12); // for height of .lbl-ad and padding
    }

    googletag.cmd.push(function() {
        googletag.display('div-gpt-ad-1394209358853-0');
    });
};
gptadRenderers['SF_ProjectSum_728x90_A'](); // jshint ignore:line
}
</script>
<div id="SF_Mobile_320x50_A_wrapped" data-id="div-gpt-ad-1512154506943-0" class="draper
">
</div>
<script>
/*global googletag */
if (!SF.initial_breakpoints_visible.leaderboard) {
(function(){

    var el = document.getElementById('SF_Mobile_320x50_A_wrapped');
    var newNode = document.createElement('div');
    newNode.id = 'div-gpt-ad-1512154506943-0';
    el.appendChild(newNode);
}());

gptadRenderers['SF_Mobile_320x50_A'] = function(){ // jshint ignore:line

    if (!SF.adblock) {

```
        $('#div-gpt-ad-1512154506943-0').parents('.draper').css("min-height", 50 + 13 + 12); // for height of .lbl-ad and padding
      }

  googletag.cmd.push(function() {
      googletag.display('div-gpt-ad-1512154506943-0');
   });
};
gptadRenderers['SF_Mobile_320x50_A'](); // jshint ignore:line
}
</script>
</div>
</div>
<div class="l-two-column-page">
<div class="l-content-column l-has-sidebar">
<div class="project-body" itemscope itemtype="http://schema.org/SoftwareApplication">
<section class="project-masthead">
<div class="backdrop" style="box-sizing: content-box; padding-bottom: 162px"></div>
<div class="content">
<nav id="breadcrumbs" class="breadcrumbs rtl">
<ul itemscope itemtype="http://schema.org/BreadcrumbList">
<li itemprop="itemListElement" itemscope itemtype="http://schema.org/ListItem">
<a itemprop="item" href="/"><span itemprop="name">Home</span></a>
<meta itemprop="position" content="1" />
</li>
<li itemprop="itemListElement" itemscope itemtype="http://schema.org/ListItem">
<a itemprop="item" href="/directory/"><span itemprop="name">Browse Open Source</span></a>
<meta itemprop="position" content="2" />
</li>
<li itemprop="itemListElement" itemscope itemtype="http://schema.org/ListItem">
<a itemprop="item" href="/directory/software-development/"><span itemprop="name">Software Development</span></a>
<meta itemprop="position" content="3" />
</li><li itemprop="itemListElement" itemscope itemtype="http://schema.org/ListItem">
<a itemprop="item" href="/directory/libraries/"><span itemprop="name">Libraries</span></a>
<meta itemprop="position" content="4" />
</li><li class="project" itemprop="itemListElement" itemscope itemtype="http://schema.org/ListItem"><span
itemprop="name">GeoAPI</span><meta itemprop="position" content="5" />
</li>
</ul>
</nav>
<div class="overview">
<div class="project-icon   ">
<img itemprop="image" alt="GeoAPI" title="GeoAPI" src="//a.fsdn.com/allura/p/geoapi/icon?1417590651" /></div>
<div class="title ">
<h1 itemprop="name">GeoAPI
</h1>
<h2 class="as-h3 summary">
Set of Java interfaces for geospatial applications
</h2>
<div class="as-h3 brought-by">
Brought to you by:
<a href="/u/desruisseaux/profile/">desruisseaux</a>,
<a href="/u/jive/profile/">jive</a>,
<a href="/u/jmacgill/profile/">jmacgill</a>
</div>
</div>
</div>
<div class="stats ">
<div class="rating">
<div class="m-stars" aria-hidden="true">
<div class="star large yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-
background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2
207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star large yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-
background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2
207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star large yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-
background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2
207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star large yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-
background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2
```

```
207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star large yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-
background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2
207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
</div>
<a href="/projects/geoapi/reviews/" class="count" title="GeoAPI Reviews">
3 Reviews
</a>
</div>
<div class="as-h2">
<b class="label">Downloads:</b>
<a href="/projects/geoapi/files/stats/timeline" title="Downloads This Week">
9 This Week
</a>
</div>
<div class="as-h2">
<b class="label">Last Update:</b>
<a href="/p/geoapi/activity/">
<time class="dateUpdated" datetime="2023-02-03">2023-02-03</time>
</a>
</div>
</div>
<div class="buttons">
<div class="download-container">
<a href="/projects/geoapi/files/latest/download" title="Download GeoAPI-3_0_2.zip from SourceForge  - 3.1 MB" class="button download
big-text green "><img src="//a.fsdn.com/con/images/sandiego/sf-icon-black.svg" alt class="sf-download-icon" /> Download</a>
<div class="tip trusted-file" aria-haspopup="true" data-position="left" data-tooltip-class="tooltip">
<svg data-name="shield-check" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 512 512"><path d="M496 128c0 221.282-135.934
344.645-221.539 380.308a48 48 0 0 1-36.923 0C130.495 463.713 16 326.487 16 128a48 48 0 0 1 29.539-44.308l192-80a48 48 0 0 1
36.923 0l192 80A48 48 0 0 1 496 128zM235.313 381.941l184-184c6.248-6.248 6.248-16.379 0-22.627l-22.627-22.627c-
6.248-6.248-16.379-6.249-22.628 0L224 302.745l-70.059-70.059c-6.248-6.248-16.379-6.248-22.628 0l-22.627 22.627c-6.248 6.248-6.248
16.379 0 22.627l104 104c6.248 6.25 16.379 6.25 22.627.001z" /></svg>
</div>
</div>
<meta itemprop="fileSize" content="3090277" /><meta itemprop="fileFormat" content="application/zip; charset=binary" /><div
itemprop="offers" itemscope itemtype="http://schema.org/Offer" class="hide">
<meta itemprop="price" content="0" />
<meta itemprop="priceCurrency" content="USD" />
<link itemprop="availability" href="http://schema.org/InStock" />
</div>
<a class="button default" data-open="psp-newsletter-modal">Get Updates</a>
<div class="psp_newsletter_subscribe reveal" data-reveal id="psp-newsletter-modal" data-v-offset="0" data-ajax-url="/projects/geoapi/
get_updates">
</div>
<a id="share-project-button" class="button default" href="#">Share This</a>
<div class="social-sharing-buttons invisible hide">
<a rel="nofollow" class="social-media-icon twitter" href="https://twitter.com/share?url=https://sourceforge.net/projects/geoapi/
&amp;text=Download%20GeoAPI%20on%20SourceForge%20for%20free%21%20Set%20of%20Java%20interfaces%20for%20geospatial
%20applications" title="Share GeoAPI on SourceForge on Twitter">
<svg data-name="twitter" viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M1684 408q-67 98-162 167 1 14 1 42 0
130-38 259.5t-115.5 248.5-184.5 210.5-258 146-323 54.5q-271 0-496-145 35 4 78 4 225 0 401-138-105-2-188-64.5t-114-159.5q33 5 61 5
43 0 85-11-112-23-185.5-111.5t-73.5-205.5v-4q68 38 146 41-66-44-105-115t-39-154q0-88 44-163 121 149 294.5 238.5t371.5 99.5q-
8-38-8-74 0-134 94.5-228.5t228.5-94.5q140 0 236 102 109-21 205-78-37 115-142 178 93-10 186-50z" /></svg></a>
<a rel="nofollow" class="social-media-icon facebook" href="https://www.facebook.com/sharer/sharer.php?u=https://sourceforge.net/
projects/geoapi/&title=GeoAPI%20on%20SourceForge" title="Share GeoAPI on SourceForge on facebook">
<svg data-name="facebook" viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M1343 12v264h-157q-86 0-116 36t-
30 108v189h293l-39 296h-254v759h-306v-759h-255v-296h255v-218q0-186 104-288.5t277-102.5q147 0 228 12z" /></svg></a>
<a rel="nofollow" class="social-media-icon linkedin" href="https://www.linkedin.com/shareArticle?mini=true&url=https://sourceforge.net/
projects/geoapi/&title=GeoAPI%20on%20SourceForge&source=SourceForge.net" title="Share GeoAPI on SourceForge on LinkedIn">
<svg data-name="linkedin" viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M477 625v991h-330v-
991h330zm21-306q1 73-50.5 122t-135.5 49h-2q-82 0-132-49t-50-122q0-74 51.5-122.5t134.5-48.5 133 48.5 51 122.5zm1166 729v568h-
329v-530q0-105-40.5-164.5t-126.5-59.5q-63 0-105.5 34.5t-63.5 85.5q-11 30-11 81v553h-329q2-399 2-647t-1-296l-1-48h329v144h-
2q20-32 41-56t56.5-52 87-43.5 114.5-15.5q171 0 275 113.5t104 332.5z" /></svg></a>
</div>
</div>
<div class="platforms">
<span><meta itemprop="operatingSystem" content="Windows" />Windows</span>
<span><meta itemprop="operatingSystem" content="Mac" />Mac</span>
<span><meta itemprop="operatingSystem" content="Linux" />Linux</span>
<span><meta itemprop="operatingSystem" content="BSD" />BSD</span>
<span><meta itemprop="operatingSystem" content="ChromeOS" />ChromeOS</span>
</div>
<div class="badges">
</div>
```

```html
</div>
</section>
<div id="top_nav"><div id="top_nav_admin">
<ul class="dropdown">
<li class="selected">
<a href="/projects/geoapi/">
<span>Summary</span></a>
</li>
<li>
<a href="/projects/geoapi/files/">
<span>Files</span></a>
</li>
<li>
<a href="/projects/geoapi/reviews/">
<span>Reviews</span></a>
</li>
<li>
<a href="/projects/geoapi/support">
<span>Support</span></a>
</li>
<li>
<a href="/p/geoapi/mailman/">
<span>Mailing Lists</span></a>
</li>
<li>
<a href="/p/geoapi/code/">
<span>Code</span></a>
</li>
</ul>
</div></div>
<article class="main-content">
<section class="row c-description">
<div class="small-12 columns">
<p itemprop="description" class="description">The development community in building GIS solutions is sustaining an enormous level of
effort. The GeoAPI project aims to reduce duplication and increase interoperability by providing neutral, interface-only APIs derived from
OGC/ISO Standards.</p>
</div>
</section>
<section class="row psp-section collapsible-section">
<div class="small-12 columns">
<h3>Features</h3>
<ul class="features as-columns"><li class="feature">ISO 19115 - Metadata</li><li class="feature">ISO 19111- Referencing by
coordinates</li><li class="feature">ISO 19123 - Coverage</li>
</ul>
</div>
</section>
<div class="m-project-activity columns small-12 psp-section">
<div class="heading">
<h3>Project Activity</h3>
<div>
<a class="button yellow icon-only follow-action-disabled show-for-medium" href="https://sourceforge.net/auth/
?return_to=%2Fprojects%2Fgeoapi%2F" title="Follow GeoAPI - Requires login" rel="nofollow">
<svg data-name="sf_star_grey" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-
background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#CCCCCB" points="150,0 185.4,109.2 300,109.2
207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg></a>
<a class="button blue icon-only show-for-medium" href="/p/geoapi/activity/feed" title="RSS" rel="nofollow">
<svg data-name="feed" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 1408.1818 1408"> <path d="m 384,1216 q 0,80 -56,136 -56,56
-136,56 -80,0 -136,-56 -56,-56 -56,-136 0,-80 56,-136 56,-56 136,-56 80,0 136,56 56,56 56,136 z m 512,123 q 2,28 -17,48 -18,21 -47,21 l
-135,0 q -25,0 -43,-16.5 Q 636,1375 634,1350 612,1121 449.5,958.5 287,796 58,774 33,772 16.5,754 0,736 0,711 L 0,576 q 0,-29 21,-47
17,-17 43,-17 l 5,0 q 160,13 306,80.5 146,67.5 259,181.5 114,113 181.5,259 67.5,146 80.5,306 z m 512,2 q 2,27 -18,47 -18,20 -46,20 l
-143,0 q -26,0 -44.5,-17.5 Q 1138,1373 1137,1348 1125,1133 1036,939.5 947,746 804.5,603.5 662,461 468.5,372 275,283 60,270 35,269
17.5,250.5 0,232 0,207 L 0,64 Q 0,36 20,18 38,0 64,0 l 3,0 Q 329,13 568.5,120 808,227 994,414 q 187,186 294,425.5 107,239.5 120,501.5
z" /></svg></a>
</div>
</div>
<div id="project-activity">
<div class="space--placeholder" style="height: 315px"></div>
</div>
<p class="all-activities"><a href="/p/geoapi/activity/">See All Activity &gt;</a></p>
</div>
<script type="text/x-handlebars-template" id="project-activity-template">

    <ul class="list-of-activities">
        {{#each timeline}}
        <li class="item">
          <time datetime="{{ iso8601date this.published }}" title="{{ readable_date this.published }}">{{ ago this.published }}</time>
          <div>
```

```handlebars
            {{#ifTagged "release"}}
              {{ cap this.verb }}
            {{else}}
              {{ icon this.actor.activity_extras.icon_url }}
              {{ activity_obj this.actor }}
              {{ this.verb }}
            {{/ifTagged}}
            {{ activity_obj this.obj }}
            {{#if this.target.activity_name}} on {{ activity_obj this.target }}{{/if}}
            </div>
            <div class="summary">
              {{ this.obj.activity_extras.summary }}
            </div>
          </li>
        {{/each}}
      </ul>

    </script>
<section class="row psp-section collapsible-section">
<div class="small-12 medium-5 columns">
<h3>Categories</h3><a href="/directory/libraries/"><span itemprop="applicationCategory">Libraries</span></a>, <a href="/directory/gis/
"><span itemprop="applicationCategory">GIS</span></a></div>
<div class="medium-5 small-12 columns">
<section class="project-info">
<h3>License</h3>Other License</section>
</div>
</section>
<section class="row psp-section collapsible-section">
<div class="small-12 columns">
<h3>Follow GeoAPI</h3>
<p>
<a id="homepage" class="pspbtn" href="http://www.geoapi.org" title="GeoAPI Web Site" rel="nofollow" target="_blank">GeoAPI Web
Site</a>
</p>
</div>
</section>
<div class="sterling">
<div id="SF_ProjectSum_728x90_B_wrapped" data-id="div-gpt-ad-1392148208790-0" class="draper
visibility_rules
 v_970_xlarge  v_728_leaderboard ">
</div>
<script>
/*global googletag */
if (SF.initial_breakpoints_visible.leaderboard) {
(function(){

   var el = document.getElementById('SF_ProjectSum_728x90_B_wrapped');
   var newNode = document.createElement('div');
   newNode.id = 'div-gpt-ad-1392148208790-0';
   el.appendChild(newNode);
}());

gptadRenderers['SF_ProjectSum_728x90_B'] = function(){  // jshint ignore:line

   googletag.cmd.push(function() {
      googletag.display('div-gpt-ad-1392148208790-0');
   });
};
gptadRenderers['SF_ProjectSum_728x90_B']();  // jshint ignore:line
}
</script>
<div id="SF_Mobile_Multi_B_wrapped" data-id="div-gpt-ad-1512154653435-0" class="draper multisize
">
</div>
<script>
/*global googletag */
if (!SF.initial_breakpoints_visible.leaderboard) {
(function(){

   var el = document.getElementById('SF_Mobile_Multi_B_wrapped');
   var newNode = document.createElement('div');
   newNode.id = 'div-gpt-ad-1512154653435-0';
   el.appendChild(newNode);
}());

gptadRenderers['SF_Mobile_Multi_B'] = function(){  // jshint ignore:line
```

```
  googletag.cmd.push(function() {
    googletag.display('div-gpt-ad-1512154653435-0');
  });
};
gptadRenderers['SF_Mobile_Multi_B']();  // jshint ignore:line
}
</script>
</div>
<script>
  if (!SF.wireOutboundZoneTrackingComplete) {
    $(SF.wireOutboundZoneTracking);
    $('body').append('<iframe src="https://c.sf-syn.com/conversion_outbound_tracker/sf" id="frame-zone-outbound" style="display:
none;"></iframe>');
    SF.wireOutboundZoneTrackingComplete = true;
  }
</script>
<section id="nels" class="small-12 columns">
<div class="as-header">
<div class="as-h2">Other Useful Business Software</div>
</div>
<div class="nel standard trunc-eligible " data-id="11794" data-cid="9147">
<span id="098634ad-1fee-406f-ac1a-2cb16b206a5b"></span>
<script>
  /* globals bizx */
  bizx.cmp.trackingPixel('publisher', ['storage', 'measurement'], '/directory/tp3/?b=47028&c=9147&z=44357&cb=96911799f0', "Your
Operating System for Risk and Compliance", '098634ad-1fee-406f-ac1a-2cb16b206a5b');
</script>
<a class="application-image thumbnail" href="https://a.slashdotmedia.com/www/delivery/ck.
php?oaparams=2__bannerid=47028__zoneid=44357__cb=96911799f0__oadest=http%3A%2F%2Fgo.6clicks.
com%2Fgrc%3Futm_campaign%3DBrand-Reviews%26utm_source%3DSourceforge%26utm_content%3DHome" target="_blank"
rel="nofollow">
<img class="main-image" src="//a.fsdn.com/con/app/nel_img/11794" alt="Your Operating System for Risk and Compliance Icon">
</a>
<div class="wrapper">
<div class="heading">
<div class="heading-main">
<a href="https://a.slashdotmedia.com/www/delivery/ck.
php?oaparams=2__bannerid=47028__zoneid=44357__cb=96911799f0__oadest=http%3A%2F%2Fgo.6clicks.
com%2Fgrc%3Futm_campaign%3DBrand-Reviews%26utm_source%3DSourceforge%26utm_content%3DHome" target="_blank"
rel="nofollow" title="Find out more about Your Operating System for Risk and Compliance">Your Operating System for Risk and
Compliance</a>
<p class="teaser">Experience beautiful GRC software</p>
</div>
</div>
<div class="tiles">
<div class="tile">
<div class="description ">
<div class="description-inner">
Governance, risk and compliance (GRC) software for businesses and advisors that's easy to use, includes all the content you need, and is
powered by AI to help you get audit-ready and in control faster than ever before.
</div>
</div>
</div>
</div>
</div>
<div class="download standard">
<a class="button green wide sfdl sfdl-lite" target="_blank" rel="nofollow" href="https://a.slashdotmedia.com/www/delivery/ck.
php?oaparams=2__bannerid=47028__zoneid=44357__cb=96911799f0__oadest=http%3A%2F%2Fgo.6clicks.
com%2Fgrc%3Futm_campaign%3DBrand-Reviews%26utm_source%3DSourceforge%26utm_content%3DHome" data-zone="44347" data-
slug="6clicks">Learn More</a>
</div>
</div>
</section>
<section class="row m-rate-project">
<div class="small-12 columns">
<div class="as-h3">Rate This Project</div><a class="rate-this-project" href="/projects/geoapi/reviews/new" rel="nofollow">Login To Rate
This Project</a>
</div>
</section>
<section class="row ratings-section psp-section collapsible-section">
<div class="small-12 columns">
<div class="hr-top">
<h3>User Ratings</h3>
<section id="ratings" class="m-ratings-summary">
<section class="recommended-percentage item" itemscope itemtype="http://schema.org/AggregateRating" itemprop="aggregateRating">
<span class="rating">
<span class="average" itemprop="ratingValue">5.0</span>
```

```
<meta itemprop="bestRating" content="5" />
<meta itemprop="worstRating" content="1" />
<meta itemprop="ratingCount" content="3" />
<span class="recommended">out of 5 stars</span>
</span>
</section>
<section class="graphs">
<section class="m-ratings-histogram">
<section>
<div class="star-text stars-5">&#9733;&#9733;&#9733;&#9733;&#9733;</div>
<div class="star-text stars-4">&#9733;&#9733;&#9733;&#9733;</div>
<div class="star-text stars-3">&#9733;&#9733;&#9733;</div>
<div class="star-text stars-2">&#9733;&#9733;</div>
<div class="star-text stars-1">&#9733;</div>
</section>
<section class="bargraph">
<div class="stars-5">
<div class="rating-bar" style="width: calc(90.0% - 1em)"></div>
<div class="rating-label">3 </div>
</div>
<div class="stars-4">
<div class="rating-bar" style="width: calc(1% - 1em)"></div>
<div class="rating-label">0 </div>
</div>
<div class="stars-3">
<div class="rating-bar" style="width: calc(1% - 1em)"></div>
<div class="rating-label">0 </div>
</div>
<div class="stars-2">
<div class="rating-bar" style="width: calc(1% - 1em)"></div>
<div class="rating-label">0 </div>
</div>
<div class="stars-1">
<div class="rating-bar" style="width: calc(1% - 1em)"></div>
<div class="rating-label">0 </div>
</div>
</section>
</section>
<div class="dimensional-ratings">
<div class="dimensional-rating">
<span class="label">ease</span>
<span title="1 of 5" class="rating ">1 of 5</span>
<span title="2 of 5" class="rating ">2 of 5</span>
<span title="3 of 5" class="rating ">3 of 5</span>
<span title="4 of 5" class="rating ">4 of 5</span>
<span title="5 of 5" class="rating ">5 of 5</span>
<span class="rating-score">
<span class="dim-rate">0</span> / 5
</span>
</div>
<div class="dimensional-rating">
<span class="label">features</span>
<span title="1 of 5" class="rating ">1 of 5</span>
<span title="2 of 5" class="rating ">2 of 5</span>
<span title="3 of 5" class="rating ">3 of 5</span>
<span title="4 of 5" class="rating ">4 of 5</span>
<span title="5 of 5" class="rating ">5 of 5</span>
<span class="rating-score">
<span class="dim-rate">0</span> / 5
</span>
</div>
<div class="dimensional-rating">
<span class="label">design</span>
<span title="1 of 5" class="rating ">1 of 5</span>
<span title="2 of 5" class="rating ">2 of 5</span>
<span title="3 of 5" class="rating ">3 of 5</span>
<span title="4 of 5" class="rating ">4 of 5</span>
<span title="5 of 5" class="rating ">5 of 5</span>
<span class="rating-score">
<span class="dim-rate">0</span> / 5
</span>
</div>
<div class="dimensional-rating">
<span class="label">support</span>
<span title="1 of 5" class="rating ">1 of 5</span>
<span title="2 of 5" class="rating ">2 of 5</span>
<span title="3 of 5" class="rating ">3 of 5</span>
```

```
<span title="4 of 5" class="rating ">4 of 5</span>
<span title="5 of 5" class="rating ">5 of 5</span>
<span class="rating-score">
<span class="dim-rate">0</span> / 5
</span>
</div>
</div>
</section>
</section>
</div>
</div>
</section>
<section class="row reviews-section psp-section collapsible-section ">
<div class="small-12 columns">
<section id="reviews" class="m-reviews-list">
<section class="heading">
<h2 class="as-h3">User Reviews</h2>
<div class="sort-options">
<div data-toggle="filter-rating">
<span>Filter Reviews:</span>
<div class="sort-drop-down">
<a>All</a>
</div>
</div>
<ul id="filter-rating" class="filter-options dropdown-pane bottom" data-dropdown data-hover="true" data-hover-pane="true" data-hover-
delay="0" data-alignment="right" data-endpoint="/projects/geoapi/reviews">
<li><a href="#" data-endpoint="/projects/geoapi/#reviews" title="Show All" class=" active">All</a></li>
<li><a href="#" data-endpoint="?filter-stars=5" title="Show 5 Stars" class=" star-text">&#9733;&#9733;&#9733;&#9733;&#9733;</a></li>
<li><a href="#" data-endpoint="?filter-stars=4" title="Show 4 Stars" class=" star-text">&#9733;&#9733;&#9733;&#9733;</a></li>
<li><a href="#" data-endpoint="?filter-stars=3" title="Show 3 Stars" class=" star-text">&#9733;&#9733;&#9733;</a></li>
<li><a href="#" data-endpoint="?filter-stars=2" title="Show 2 Stars" class=" star-text">&#9733;&#9733;</a></li>
<li><a href="#" data-endpoint="?filter-stars=1" title="Show 1 Star" class=" star-text">&#9733;</a></li>
</ul>
</div>
</section>
<section class="content">
<ul id="project-reviews" class="reviews">
<li>
<div class="m-review


     " data-helpful-count="1.0" itemprop="review" itemscope itemtype="http://schema.org/Review" id="review-
519438ca91aa91436223ee90">
<meta itemprop="datePublished" content="05/16/2013">
<span class="hide" itemprop="author" itemtype="http://schema.org/Person" itemscope>
<meta itemprop="name" content="

     tfileme

">
</span>
<div class="footer">
<span class="author-name">
tfileme
</span>
<span class="created-date">
Posted 2013-05-16
</span>
</div>
<div class="m-stars" aria-hidden="true" itemprop="reviewRating" itemscope itemtype="http://schema.org/Rating">
<meta itemprop="ratingValue" content="5">
<meta itemprop="worstRating" content="1">
<meta itemprop="bestRating" content="5">
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-
background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2
207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-
background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2
207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-
background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2
207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
```

```html
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
</div>
<div class="review-txt-outer">
<div class="review-txt ">
Geoapi is the best! Thanks.
</div>
</div>
<div class="meta">
<span class="helpful-count"><span class="user-count">1</span> <span class="user-count-label">user</span> found this review helpful.
</span>
</div>
</div>
</li>
<li>
<div class="m-review


      " data-helpful-count="0" itemprop="review" itemscope itemtype="http://schema.org/Review" id="review-50c6699086502b3fd39ae614">
<meta itemprop="datePublished" content="06/30/2011">
<span class="hide" itemprop="author" itemtype="http://schema.org/Person" itemscope>
<meta itemprop="name" content="

      andymurphy

">
</span>
<div class="footer">
<span class="author-name">
andymurphy
</span>
<span class="created-date">
Posted 2011-06-30
</span>
</div>
<div class="m-stars" aria-hidden="true" itemprop="reviewRating" itemscope itemtype="http://schema.org/Rating">
<meta itemprop="ratingValue" content="5">
<meta itemprop="worstRating" content="1">
<meta itemprop="bestRating" content="5">
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
</div>
<div class="review-txt-outer">
<div class="review-txt ">
Nice little API. Love it
```

```
</div>
</div>
<div class="meta">
</div>
</div>
</li>
<li>
<div class="m-review


     " data-helpful-count="0" itemprop="review" itemscope itemtype="http://schema.org/Review" id="review-50c6699086502b3fd39ae615">
<meta itemprop="datePublished" content="01/29/2010">
<span class="hide" itemprop="author" itemtype="http://schema.org/Person" itemscope>
<meta itemprop="name" content="

     carlosrogue

">
</span>
<div class="footer">
<span class="author-name">
carlosrogue
</span>
<span class="created-date">
Posted 2010-01-29
</span>
</div>
<div class="m-stars" aria-hidden="true" itemprop="reviewRating" itemscope itemtype="http://schema.org/Rating">
<meta itemprop="ratingValue" content="5">
<meta itemprop="worstRating" content="1">
<meta itemprop="bestRating" content="5">
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
<div class="star  yellow">
<svg data-name="sf_star_yellow" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 285.8" style="enable-background:new 0 0 300 285.8;" xml:space="preserve"><polygon class="st0" fill="#ffcc00" points="150,0 185.4,109.2 300,109.2 207.3,176.6 242.7,285.8 150,218.3 57.3,285.8 92.7,176.6 0,109.2 114.6,109.2 " /></svg>
</div>
</div>
<div class="review-txt-outer">
<div class="review-txt ">
Very useful for projects that needs Metadata standard support based on ISO 19115.
</div>
</div>
<div class="meta">
</div>
</div>
</li>
</ul>
<a class="read-more-link" href="/projects/geoapi/reviews/#reviews">Read more reviews ></a>
</section>
</section>
</div>
</section>
<section class="row m-section-additional-details psp-section collapsible-section">
<div class="small-12 columns">
<h3>Additional Project Details</h3>
<section class="project-info">
<h4>Languages</h4>English</section>
```

<section class="project-info">
<h4>Intended Audience</h4>Information Technology, Science/Research, Developers</section>
<section class="project-info">
<h4>Programming Language</h4>Java</section>
<section class="project-info">
<h4>Related Categories</h4>
Java Libraries ,
Java GIS Software
</section>
<section class="project-info">
<div class="as-header">
<h4>Registered</h4>
</div>
<section class="content">
2002-12-23
</section>
</section>
</div>
</section>
<aside class="m-wide-widget m-wide-projects-widget ">
<div class="as-header">
Similar Business Software
</div>
<div class="body">

<div class="project-icon   ">
<img alt="Simple GIS Client" title="Simple GIS Client" src="//a.fsdn.com/allura/s/simple-gis-client/icon?1694212562?&w=48"
loading="lazy" /></div>
<div class="project-info ">
<div class="result-heading-texts">

Simple GIS Client

</div>
<div class="summary">
Easy to use GIS software for Windows desktop, laptop, and tablet computers at the lowest price. Create, analyze, and publish
spatial data. Import location data from Excel spreadsheets or csv files using coordinate data or by street address. Unlimited geocoding
support. Supports reading and...
</div>
</div>
<div>
See
Software
</div>

<div class="project-icon   ">
<img alt="FusionCharts" title="FusionCharts" src="//a.fsdn.com/allura/s/fusioncharts/
icon?c5419a677bc4ef4e2af99348e80309f3f4964bd5f058ff7b74b88446d737f252?&w=48" loading="lazy" /></div>
<div class="project-info ">
<div class="result-heading-texts">

FusionCharts

</div>
<div class="summary">
FusionCharts is a powerful and easy-to-use JavaScript charting library that helps developers to add interactive charts and data
visualizations to their web and mobile applications. With 100+ chart types, including column, bar, line, area, pie, doughnut, scatter, bubble,
and more, it's easy to...
</div>
</div>
<div>
See
Software
</div>

<div class="project-icon   ">
<img alt="ArcGIS Urban" title="ArcGIS Urban" src="//a.fsdn.com/allura/s/arcgis-urban/
icon?4a72d3c2cc21522584f2d52d29d4632e9b07cb25a6d76c1584543b1f645d6aea?&w=48" loading="lazy" /></div>
<div class="project-info ">
<div class="result-heading-texts">

ArcGIS Urban

</div>
</div>

```html
<div class="summary">
<span>Issues like housing availability, sustainability goals, and economic changes are compelling cities to better plan for the future. ArcGIS Urban enables planners and design professionals to collaborate across teams with a web-based 3D application that supports scenario planning and impact...</span>
</div>
</div>
<div>
<a href="/software/product/ArcGIS-Urban/" title="Find out more about ArcGIS Urban" class="button blue hollow see-project">See Software</a>
</div>
</li>
</ul>
</div>
</aside>
<section class="row ">
<div class="small-12 columns">
<a id="report-inappropriate" href="/projects/geoapi/report_inappropriate" rel="nofollow">Report inappropriate content</a>
</div>
</section>
</article>
<div class="sterling">
<div id="SF_ProjectSum_728x90_C_wrapped" data-id="div-gpt-ad-1491500833666-0" class="draper
visibility_rules
 v_970_xlarge  v_728_leaderboard ">
</div>
<script>
/*global googletag */
if (SF.initial_breakpoints_visible.leaderboard) {
(function(){

    var el = document.getElementById('SF_ProjectSum_728x90_C_wrapped');
    var newNode = document.createElement('div');
    newNode.id = 'div-gpt-ad-1491500833666-0';
    el.appendChild(newNode);
}());

gptadRenderers['SF_ProjectSum_728x90_C'] = function(){  // jshint ignore:line

    googletag.cmd.push(function() {
        googletag.display('div-gpt-ad-1491500833666-0');
    });
};
gptadRenderers['SF_ProjectSum_728x90_C']();  // jshint ignore:line
}
</script>
</div>
</div>
</div>
<div class="l-gutter">
</div>
<div class="l-side-column">
<div class="scroll-fixable">
<section class="sterling">
<div id="SF_ProjectSum_300x250_A_wrapped" data-id="div-gpt-ad-1394209358855-0" class="draper multisize
visibility_rules
 v_300_large ">
</div>
<script>
/*global googletag */
if (SF.initial_breakpoints_visible.large) {
(function(){

    var el = document.getElementById('SF_ProjectSum_300x250_A_wrapped');
    var newNode = document.createElement('div');
    newNode.id = 'div-gpt-ad-1394209358855-0';
    el.appendChild(newNode);
}());

gptadRenderers['SF_ProjectSum_300x250_A'] = function(){ // jshint ignore:line

    if (!SF.adblock) {
        $('#div-gpt-ad-1394209358855-0').parents('.draper').css("min-height", 250 + 13 + 12); // for height of .lbl-ad and padding
    }

    googletag.cmd.push(function() {
        googletag.display('div-gpt-ad-1394209358855-0');
    });
```

```
};
gptadRenderers['SF_ProjectSum_300x250_A'](); // jshint ignore:line
}
</script>
<div id="SF_ProjectSum_300x250_B_wrapped" data-id="div-gpt-ad-1394209358856-0" class="draper medrec
visibility_rules
 v_300_large ">
</div>
<script>
/*global googletag */
if (SF.initial_breakpoints_visible.large) {
(function(){

   var el = document.getElementById('SF_ProjectSum_300x250_B_wrapped');
   var newNode = document.createElement('div');
   newNode.id = 'div-gpt-ad-1394209358856-0';
   el.appendChild(newNode);
}());

gptadRenderers['SF_ProjectSum_300x250_B'] = function(){ // jshint ignore:line

    if (!SF.adblock) {
       $('#div-gpt-ad-1394209358856-0').parents('.draper').css("min-height", 250 + 13 + 12); // for height of .lbl-ad and padding
    }

   googletag.cmd.push(function() {
      googletag.display('div-gpt-ad-1394209358856-0');
   });
};
gptadRenderers['SF_ProjectSum_300x250_B'](); // jshint ignore:line
}
</script>
</section>
<aside class="m-sidebar-widget m-project-list">
<div class="as-header">Recommended Projects</div>
<div class="body">
<ul>
<li class="item">
<a href="/projects/geoserver/" title="GeoServer">
<div class="project-icon   ">
<img alt="GeoServer" title="GeoServer" src="//a.fsdn.com/allura/p/geoserver/icon?1686517688?&amp;w=48" srcset="//a.fsdn.com/allura/p/
geoserver/icon?1686517688?&amp;w=72 1.5x

     ,
        //a.fsdn.com/allura/p/geoserver/icon?1686517688?&amp;w=96 2x" loading="lazy" /></div>
</a>
<div class="pinfo-content recommended">
<a class="project-name" href="/projects/geoserver/" title="Learn more about GeoServer ">GeoServer</a>
<div class="summary">
GeoServer is an open source software server written in Java that allows users to share and edit geospatial data. Designed for
interoperability, it publishes data from any major spatial data source using open standards: WMS, WFS, WCS, WPS and REST
</div>
</div>
</li>
<li class="item">
<a href="/projects/geotools/" title="GeoTools, the java GIS toolkit">
<div class="project-icon   ">
<img alt="GeoTools, the java GIS toolkit" title="GeoTools, the java GIS toolkit" src="//a.fsdn.com/allura/p/geotools/icon?1686517688"
loading="lazy" /></div>
</a>
<div class="pinfo-content recommended">
<a class="project-name" href="/projects/geotools/" title="Learn more about GeoTools, the java GIS toolkit ">GeoTools, the java GIS
toolkit</a>
<div class="summary">
Toolkit for working with and mapping geospatial data
</div>
</div>
</li>
<li class="item">
<a href="/projects/jmapprojlib/" title="Java Map Projection Library">
<div class="project-icon  default-project-icon ">
<svg data-name="default-icon" xmlns="http://www.w3.org/2000/svg" x="0px" y="0px" viewBox="0 0 300 300" style="enable-
background:new 0 0 300 300;" xml:space="preserve"><rect class="st0" width="300" height="300" /><g><path class="st1" d="M162.5,154.8
c0-28.9-10.2-42-15.6-46.9c-
1.1-1-2.7-0.1-2.6,1.3c1.1,16.3-19.4,20.3-19.4,45.9h0c0,0.1,0,0.1,0,0.2c0,15.6,11.8,28.3,26.3,28.3c14.5,0,26.3-12.7,26.3-28.3c0-0.1,0-0.1,0
-0.2h0c0-7.2-2.7-14.1-5.5-19.3c-0.5-1-2.1-0.6-1.9,0.3C174.9,158.1,162.5,171.8,162.5,154.8z" /><g><path class="st1" d="M131.2,215.6c-
0.7,0-1.3-0.3-1.8-0.7l-67.2-67.1c-1-1-1-2.6,0-3.6l70.9-70.9c0.5-0.5,1.1-0.7,1.8-0.7h20.4c1.2,0,2,0.8,2.3,1.6c0.3,0.7,0.3,1.9-0.5,2.7l-
66.7,66.7c-1.3,1.3-1.3,3.5,0,4.9l52.7,52.7c1,1,1,2.6,0,3.6L133,214.9C132.5,215.4,131.9,215.6,131.2,215.6z" /></g><g><path class="st1" d
```

```
="M144.7,227.4c-1.2,0-2-0.8-2.3-1.5c-0.3-0.7-0.3-1.9,0.5-2.7l66.7-66.7c0.7-0.6,1-1.5,1-2.4s-0.4-1.8-1-2.4l-52.7-52.7c-
1-1-1-2.6,0-3.6l10.2-10.2c0.5-0.5,1.1-0.7,1.8-0.7c0.7,0,1.3,0.3,1.8,0.7l67,67.1c0.5,0.5,0.7,1.1,0.7,1.8s-0.3,1.3-0.7,1.8l-70.9,70.9c-
0.5,0.5-1.1,0.7-1.8,0.7H144.7z" /></g></g></svg>
</div>
</a>
<div class="pinfo-content recommended">
<a class="project-name" href="/projects/jmapprojlib/" title="Learn more about Java Map Projection Library ">Java Map Projection
Library</a>
<div class="summary">
A partial Java port of the PROJ.4 map projection library. Most projections are implemented, but datum conversion is still lacking. Original
port by Jerry Huxtable www.jhlabs.com, now maintained by Bernhard Jenny.
This project moved to https://github.com/OSUCartography/JMapProjLib
</div>
</div>
</li>
<li class="item">
<a href="/projects/advanced-recyclerview.mirror/" title="Advanced RecyclerView">
<div class="project-icon   ">
<img alt="Advanced RecyclerView" title="Advanced RecyclerView" src="//a.fsdn.com/allura/mirror/advanced-recyclerview/
icon?bf9e06093c583ac67d8849af26c26f64c7736307f2ef01f138bdfe7546254fb4?&amp;w=48" srcset="//a.fsdn.com/allura/mirror/advanced-
recyclerview/icon?bf9e06093c583ac67d8849af26c26f64c7736307f2ef01f138bdfe7546254fb4?&amp;w=72 1.5x

     ,
        //a.fsdn.com/allura/mirror/advanced-recyclerview/
icon?bf9e06093c583ac67d8849af26c26f64c7736307f2ef01f138bdfe7546254fb4?&amp;w=96 2x" loading="lazy" /></div>
</a>
<div class="pinfo-content recommended">
<a class="project-name" href="/projects/advanced-recyclerview.mirror/" title="Learn more about Advanced RecyclerView ">Advanced
RecyclerView</a>
<div class="summary">
RecyclerView extension library which provides advanced features
</div>
</div>
</li>
</ul>
</div>
</aside>
<section class="sterling">
<div id="SF_ProjectSum_300x250_C_wrapped" data-id="div-gpt-ad-1394209358857-0" class="draper medrec
visibility_rules
 v_300_large ">
</div>
<script>
/*global googletag */
if (SF.initial_breakpoints_visible.large) {
(function(){

   var el = document.getElementById('SF_ProjectSum_300x250_C_wrapped');
   var newNode = document.createElement('div');
   newNode.id = 'div-gpt-ad-1394209358857-0';
   el.appendChild(newNode);
}());

gptadRenderers['SF_ProjectSum_300x250_C'] = function(){  // jshint ignore:line

   googletag.cmd.push(function() {
      googletag.display('div-gpt-ad-1394209358857-0');
   });
};
gptadRenderers['SF_ProjectSum_300x250_C']();  // jshint ignore:line
}
</script>
</section>
<aside class="m-sidebar-widget m-project-related-keywords">
<div class="as-header">Top Searches</div>
<div class="body">
<ul>
<li class="item">
<a href="/directory/?q=gis+project">gis project</a>
</li>
<li class="item">
<a href="/directory/?q=geoapi">geoapi</a>
</li>
<li class="item">
<a href="/directory/?q=convert+avif+to+jpg">convert avif to jpg</a>
</li>
</ul>
</div>
```

```html
</aside>
<aside class="m-sidebar-widget">
<div class="as-header">Related Business Categories</div>
<div class="body">
<ul>
<li class="item">
<a href="/software/javascript-libraries/">JavaScript Libraries</a>
</li>
<li class="item">
<a href="/software/gis/">GIS</a>
</li>
</ul>
</div>
</aside>
</div>
<script>
if (!SF.adblock && SF.initial_breakpoints_visible.large) {

    bizx.cmp.ifConsent('', ['all', 'google-ads'], function() {
        SF.Ads.scrollFixable = new SF.ScrollFixable($('.scroll-fixable').eq(0), {"adjustHorizontal":false,"avoidElement":".l-header-nav, .l-
header-nav-bottom","watchAvoidStickiness":true});
        if (SF.Ads.acceptable_ads_active){
            SF.Ads.scrollFixable.disable();
        }
    });

}
</script>
<div class="sterling">
<div id="SF_Mobile_Multi_C_wrapped" data-id="div-gpt-ad-1512154755912-0" class="draper multisize
">
</div>
<script>
/*global googletag */
if (!SF.initial_breakpoints_visible.leaderboard) {
(function(){

   var el = document.getElementById('SF_Mobile_Multi_C_wrapped');
   var newNode = document.createElement('div');
   newNode.id = 'div-gpt-ad-1512154755912-0';
   el.appendChild(newNode);
}());

gptadRenderers['SF_Mobile_Multi_C'] = function(){  // jshint ignore:line

   googletag.cmd.push(function() {
      googletag.display('div-gpt-ad-1512154755912-0');
   });
};
gptadRenderers['SF_Mobile_Multi_C']();  // jshint ignore:line
}
</script>
</div>
</div>
</div>
<footer class="sandiego">
<div class="as-row">
<div class="footer-wrapper">
<nav aria-label="Site Links" role="navigation">
<section>
<div class="as-h2">SourceForge</div>
<ul>
<li><a href="/create/" title="Create a Project">Create a Project</a></li>
<li><a href="/directory/" title="Open Source Software Directory">Open Source Software</a></li>
<li><a href="/software/" title="Business Software Directory">Business Software</a></li>
<li><a href="/top" title="Top Open Source Projects">Top Downloaded Projects</a></li>
</ul>
</section>
</nav>
<nav aria-label="Company Links" role="navigation">
<section>
<div class="as-h2">Company</div>
<ul>
<li><a href="/about">About</a></li>
<li><a href="/about/leadership" title="Open Source Software Directory">Team</a></li>
<li class="h-card">
<address>
```

```html
<span class="p-name p-org">SourceForge Headquarters</span><br>
<span class="p-street-address">225 Broadway Suite 1600</span><br>
<span class="p-locality">San Diego, CA <span class="p-postal-code">92101</span></span><br>
<span class="p-tel">+1 (858) 454-5900</span><br>
</address>
</li>
<li id="social">
<span></span>
<a href="https://twitter.com/sourceforge" class="twitter" rel="nofollow" target="_blank">
<svg class="vertical-icon-fix" data-name="twitter" viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M1684 408q-67
98-162 167 1 14 1 42 0 130-38 259.5t-115.5 248.5-184.5 210.5-258 146-323 54.5q-271 0-496-145 35 4 78 4 225 0
401-138-105-2-188-64.5t-114-159.5q33 5 61 5 43 0 85-11-112-23-185.5-111.5t-73.5-205.5v-4q68 38 146 41-66-44-105-115t-39-154q0-88
44-163 121 149 294.5 238.5t371.5 99.5q-8-38-8-74 0-134 94.5-228.5t228.5-94.5q140 0 236 102 109-21 205-78-37 115-142 178 93-10
186-50z" /></svg></a>
<a href="https://fosstodon.org/@sourceforge" rel="me nofollow" target="_blank">
<svg class="vertical-icon-fix" data-name="mastodon" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 448 512"><path d="M433
179.11c0-97.2-63.71-125.7-63.71-125.7-62.52-28.7-228.56-28.4-290.48 0 0 0-63.72 28.5-63.72 125.7 0 115.7-6.6 259.4 105.63 289.1
40.51 10.7 75.32 13 103.33 11.4 50.81-2.8 79.32-18.1 79.32-18.1l-1.7-36.9s-36.31 11.4-77.12 10.1c-40.41-1.4-83-4.4-89.63-54a102.54
102.54 0 0 1-.9-13.9c85.63 20.9 158.65 9.1 178.75 6.7 56.12-6.7 105-41.3 111.23-72.9 9.8-49.8 9-121.5 9-121.5zm-75.12 125.2h-46.63v-
114.2c0-49.7-64-51.6-64 6.9v62.5h-46.33V197c0-58.5-64-56.6-64-6.9v114.2H90.19c0-122.1-5.2-147.9 18.41-175 25.9-28.9 79.82-30.8
103.83 6.1l11.6 19.5 11.6-19.5c24.11-37.1 78.12-34.8 103.83-6.1 23.71 27.3 18.4 53 18.4 175z" /></svg></a>
<a href="https://www.facebook.com/sourceforgenet/" class="facebook" rel="nofollow" target="_blank">
<svg data-name="facebook" viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M1343 12v264h-157q-86 0-116 36t-
30 108v189h293l-39 296h-254v759h-306v-759h-255v-296h255v-218q0-186 104-288.5t277-102.5q147 0 228 12z" /></svg></a>
<a href="https://www.linkedin.com/company/sourceforge.net" class="linkedin" rel="nofollow" target="_blank">
<svg data-name="linkedin" viewBox="0 0 1792 1792" xmlns="http://www.w3.org/2000/svg"><path d="M477 625v991h-330v-
991h330zm21-306q1 73-50.5 122t-135.5 49h-2q-82 0-132-49t-50-122q0-74 51.5-122.5t134.5-48.5 133 48.5 51 122.5zm1166 729v568h-
329v-530q0-105-40.5-164.5t-126.5-59.5q-63 0-105.5 34.5t-63.5 85.5q-11 30-11 81v553h-329q2-399 2-647t-1-296l-1-48h329v144h-
2q20-32 41-56t56.5-52 87-43.5 114.5-15.5q171 0 275 113.5t104 332.5z" /></svg></a>
<span></span>
</li>
</ul>
</section>
</nav>
<nav aria-label="Resources Links" role="navigation">
<section>
<div class="as-h2">Resources</div>
<ul>
<li><a href="/support" title="Support Section">Support</a></li>
<li><a href="/p/forge/documentation/Docs%20Home/" title="Site Documentation">Site Documentation</a></li>
<li><a href="https://fosstodon.org/@sourceforgestatus" title="Site Status" rel="me nofollow">Site Status</a></li>
</ul>
</section>
</nav>
<section class="footer-logo">
<a href="/" title="Home" class="sf-logo">
<img src="//a.fsdn.com/con/images/sandiego/sf-logo-full.svg" alt="SourceForge logo" class="sf-logo-full" />
</a>
</section>
</div>
</div>
<section class="l-nav-bottom">
<nav class="row">
<div class="columns small-12 large-6 copyright-notice">
&copy; 2023 Slashdot Media. All Rights Reserved.
</div>
<div class="columns large-6 links links-right">
<a href="https://slashdotmedia.com/terms-of-use" title="Terms" rel="nofollow">Terms</a>
<a href="https://slashdotmedia.com/privacy-statement/" title="Privacy" rel="nofollow">Privacy</a>
<a href="#" title="Privacy Choices" id="privacy-choices" class="btn-privay-choices">Privacy Choices</a>
<a href="https://slashdotmedia.com/contact/" target="_blank" title="Advertise" rel="nofollow">Advertise</a>
</div>
</nav>
</section>
</footer>
</div>
<script src="//a.fsdn.com/con/js/min/sf.sandiego-base.js?1696867485"></script>
<script>
    /* global Dropzone */
    Dropzone.options.blockthisForm = false;
  </script>
<script src="//a.fsdn.com/con/js/min/sf.sandiego-foundation-base.js?1696867485"></script>
<script src="//a.fsdn.com/con/js/min/sf.sandiego-foundation-tooltip.js?1696867485"></script>
<script>
      /* global Foundation */
      $(document).foundation();
      Foundation.Triggers.forceListenersNow();
```

```
        </script>
<script>
        bizx.cmp.ifConsent('', ['all', 'google-ads'], function () {}, function () {
            $('body').addClass('no-ads-consent');
        });
    </script>
<script>


    function geturl(url, params) {
        params = Object
            .keys(params)
            .map(function(key) {
                return key + "=" + encodeURIComponent(params[key]);
            })
            .join("&");
        return url + "?" + params;
    }


    function loadimg(params, dimension_prefix) {
        params = Object.assign({"idsite":1,"rec":1,"rand":59368,"dimension2":"pg_project","url":"https://sourceforge.net/projects/geoapi/
","action_name":"GeoAPI download | SourceForge.net"}, params);
        for (var key in params) {
            if (params.hasOwnProperty(key) && key.indexOf('dimension') === 0 && params[key] !== undefined) {
                params[key] = (dimension_prefix||'') + params[key];
            }
        }
        params.rand = Math.floor(Math.random() * 100000);
        bizx.cmp.ifConsent('publisher', ['measurement'], function() {
            var url = geturl("//sourceforge.net/software/visit", params);
            if (!('sendBeacon' in navigator) || !navigator.sendBeacon(url)) {
                var img = document.createElement('img');
                img.src = url;
                img.style = "border:0;";
                img.alt = "";
                document.body.appendChild(img);
            }
        });
    }

    var $typeaheads = $('.typeahead__container input[name=q]');
    $typeaheads.on('typeahead-item-clicked', function(ev, $typeahead, q, item){
        var groupIndex = ($typeahead.data('groups') || []).indexOf(item.group);
        if (groupIndex === 2 || groupIndex === 3) {
            loadimg({
                'e_c': 'Search | Typeahead | ' + item.group,
                'e_a': "Typeahead Click | q=" + q,
                'e_n': item.href,
            }, 'typeahead_on_');
        }
    });
    </script>

<script>
    (function () {
        bizx.cmp.ifConsent('', ['all', 'bombora'], function () {
            /*global _ml:true, window */
            _ml = window._ml || {};
            _ml.eid = '771';
            _ml.fp = 'c278c68a-a0ee-4631-9bb7-a2d6d38a0a17';
            var s = document.getElementsByTagName('script')[0], cd = new Date(), mltag = document.createElement('script');
            mltag.type = 'text/javascript';
            mltag.async = true;
            mltag.defer = true;
            mltag.src = '//ml314.com/tag.aspx?' + cd.getDate() + cd.getMonth() + cd.getFullYear();
            s.parentNode.insertBefore(mltag, s);
        });
    })();
</script>

<div id="overlay-blockthis-wrapper" style="display: none;">
<div id="overlay-blockthis">
<div class="as-h2 title">Thanks for helping keep SourceForge clean.</div>
<a href="#" id="btn-blockthis-close">X</a>
<form class="dropzone small-12" action="/api/instrumentation/gpt" id="blockthisForm" method="POST">
<div class="row small-12">
<div class="column description small-12">
```

```html
<input type="hidden" name="_visit_cookie" value="c278c68a-a0ee-4631-9bb7-a2d6d38a0a17" />
<input type="hidden" name="timestamp" value="1697029331" />
<input type="hidden" name="spinner" value="Xmkqe4stSAY2nJgM6CQ6:YbXTXIc" />
<p class="we0a1014b35172b1332f3fe2ca0d3c515b32d77f7"><label for="Xwp0iw7HCjMKuKzHCvRsqUxtMLmfDrMO9wqRqw60">You
seem to have CSS turned off.
Please don't fill out this field.</label><input id="Xwp0iw7HCjMKuKzHCvRsqUxtMLmfDrMO9wqRqw60"
name="Xwpwiw7HCjMKuKzExwqt2In8pw5czKcOCw6U2wpE" type="text" /></p>
<p class="we0a1014b35172b1332f3fe2ca0d3c515b32d77f7"><label for="Xwp0iw7HCjMKuKzHCvBsqUxtMLmfDrMO9wqRqw60">You
seem to have CSS turned off.
Please don't fill out this field.</label><input id="Xwp0iw7HCjMKuKzHCvBsqUxtMLmfDrMO9wqRqw60"
name="Xwpwiw7HCjMKuKzAxwqt2In8pw5czKcOCw6U2wpE" type="text" /></p>
Briefly describe the problem (required):
<input name="XwpEuw7vCkcKoIGjDvcOTT2xUwrUCw65Aw7DDs8KFCg" type="text" required>
</div>
</div>
<div class="column small-12">
<div class="upload-text">Upload screenshot of ad (required):</div>
<div id="upload-it">
<a href="#" id="upload-select-file">Select a file</a>, or drag & drop file here.
</div>
<div id="upload-it-placeholder"></div>
<div class="dropzone-previews" style="display: none"></div>
<div class="dz-message" style="display: none"></div>
<div id="dropzone-preview-template" style="display: none">
<div class="dz-preview dz-file-preview">
<img data-dz-thumbnail src="data:image/gif;base64,R0lGODlhAQABAAD/ACwAAAAAQABAAACADs=" alt />
<div class="dz-success-mark"><span></span></div>
<div class="dz-error-mark"><span></span></div>
<div class="dz-error-message"><span data-dz-errormessage></span></div>
</div>
</div>
</div>
<div class="column small-12">
<u>Screenshot instructions:</u>
</div>
<div class="row small-12">
<div class="column large-5 small-6">
<p>
<u>Click URL instructions:</u><br>
Right-click on the ad, choose "Copy Link", then paste here &rarr;<br>
(This may not be possible with some types of ads)
</p>
<a class="more-info" href="https://sourceforge.net/p/forge/documentation/Report%20a%20problem%20with%20Ad%20content/"
target="_blank">More information about our ad policies</a>
</div>
<div class="column large-7 small-6">
<p>Please provide the ad click URL, if possible:
<input name="XwpMpw7LCi8KoOV7DuMOVSsK_NIkvw7tBbF4Uw7A" type="url">
</p>
<textarea id="gpt-info" name="Xwp4uw7_ClsKqw64Nw53ChmMjw6PChEbDiVfDn8OFUsOV"></textarea>
<input class="button" type="submit" id="btn-blockthis-submit" value="Submit Report">
</div>
</div>
</form>
</div>
</div>
<script src="//a.fsdn.com/con/js/min/sf.sandiego-project.js?1696867485"></script>
<script defer src="https://static.cloudflareinsights.com/beacon.min.js/v8b253dfea2ab4077af8c6f58422dfbfd1689876627854"
integrity="sha512-bjgnUKX4azu3dLTVtie9u6TKqgx29RBwfj3QXYt5EKfWM/9hPSAI/4qcV5NACjwAo8UtTeWefx6Zq5PHcMm7Tg==" data-
cf-beacon='{"rayId":"81474bc688600204","version":"2023.8.0","b":1,"token":"05ab2f27910c4db284f4fcdcd6948338","si":100}'
crossorigin="anonymous"></script>
</body>
</html>
```

Public Domain

This is not a real license, neither a copyright.

"Public domain" is a specialized term in copyright law that alludes to works not under copyright,
either in light of the fact that they were never in copyright in the first place (for instance,
works created by U.S. government representatives, on government time and as an aspect of their
responsibilities, are naturally in the public domain), or on the grounds that their copyright term
has at long last passed and they have "fallen into" the public domain.

To learn more:
https://opensource.org/faq#public-domain
https://en.wikipedia.org/wiki/Public_domain

Saxpath License

The Unlicense

This is free and unencumbered software released into the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

For more information, please refer to <http://unlicense.org/>

Do What The F*ck You Want To Public License

https://spdx.org/licenses/WTFPL.html

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE
Version 2, December 2004

Copyright (C) 2004 Sam Hocevar <sam@hocevar.net>

Everyone is permitted to copy and distribute verbatim or modified copies of this license document, and changing it is allowed as long as the name is changed.

DO WHAT THE FUCK YOU WANT TO PUBLIC LICENSE
TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. You just DO WHAT THE FUCK YOU WANT TO.

iMatix Standard Function Library Agreement

https://spdx.org/licenses/iMatix.html

The SFL License Agreement

This license agreement covers your use of the iMatix STANDARD FUNCTION LIBRARY (SFL), its source code, documentation, and executable files, hereinafter referred to as "the Product".

The Product is Copyright (c) 1991-2000 iMatix Corporation. You may use it and distribute it according to this following License Agreement. If you do not agree with these terms, please remove the Product from your system. By incorporating the Product in your work or distributing the Product to others you implicitly agree to these license terms.

Statement Of Copyright

The Product is, and remains, Copyright 1991-2000 iMatix Corporation, with exception of specific copyrights as noted in the individual source files.

Conditions Of Use

You do not need to provide the source code for the Product as part of your product. However, you must do one of these things to comply with the Product License Agreement:

1. Provide the source code for Product modules that you use, or
2. Make your product freely available according to a license similar to the GNU General Public License, or the Perl Artistic License, or
3. Add this phrase to the documentation for your product: "This product uses parts of the iMatix SFL, Copyright 1991-2000 iMatix Corporation <http://www.imatix.com>".

Rights Of Usage

You may freely and at no cost use the Product in any project, commercial, academic, military, or private, so long as you respect the License Agreement. The License Agreement does not affect any software except the Product. In particular, any application that uses the Product does not itself fall under the License Agreement.

You may modify any part of the Product, including sources and documentation, except this License Agreement, which you may not modify.

You must clearly indicate any modifications at the start of each source file. The user of any modified Product code must know that the source file is not original.

At your discretion, you may rewrite or reuse any part of the Product so that your derived code is not obviously part of the Product. This derived code does not fall under the Product License Agreement directly, but you must include a credit at the start of each source file indicating the original authorship and source of the code, and a statement of copyright as follows:"Parts copyright (c) 1991-2000 iMatix Corporation."

Rights Of Distribution

You may freely distribute the Product, or any subset of the Product, by any means. The License, in the form of the file called "LICENSE. TXT" must accompany any such distribution.

You may charge a fee for distributing the Product, for providing a warranty on the Product, for making modifications to the Product, or for any other service provided in relation to the Product. You are not required to ask our permission for any of these activities.

At no time will iMatix associate itself with any distribution of the Product except that supplied from the Internet site http://www.imatix.com.

Disclaimer Of Warranty

The Product is provided as free software, in the hope that it will be useful. It is provided "as-is", without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of the Product is with you. Should the Product prove defective, the full cost of repair, servicing, or correction lies with you.