



Open Source Used In Cisco HyperFlex Systems, Release 3.0

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3.4 color 1.6.0

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3.5 detect-browser 1.6.2

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3.6 expect 1.20.2

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3.7 file-saver 1.3.3

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[1]: <http://eligrey.com>

3.8 glob 7.1.1

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3.9 go-i18n 1.10.0

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3.10 intl 1.2.4

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3.11 isomorphic-fetch 2.2.1

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3.12 js-cookie 2.1.2

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3.13 jstz 1.0.7

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3.14 Iodash 4.17.4

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3.16 moment 2.14.1

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3.17 moment-duration-format 1.3.0

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3.18 moment-timezone 0.5.11

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3.19 prop-types 15.6.0

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3.20 qs 6.3.0

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3.21 rc-time-picker 2.2.1

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3.22 react 16.2.0

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3.23 react-bootstrap-datetimepicker 0.0.22

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3.24 react-bootstrap-typeahead 2.0.2

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3.25 react-document-title 2.0.3

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3.26 react-dom 15.3.1

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3.27 react-intl 2.1.5

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3.28 react-json-tree 0.11.0

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3.29 react-motion 0.4.5

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3.30 react-redux 4.4.5

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3.31 react-select 1.0.0-rc.3

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3.32 react-transition-group 1.2.1

3.33 redux 3.5.2

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3.34 redux-thunk 2.1.0

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3.35 reselect 2.5.3

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3.36 shallowequal 1.0.2

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3.37 spinner 1.0

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3.38 table-export 1.0.1

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3.41 zap 1.7.1

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4.2 akka 2.3.0

4.3 akka-actor_2.10 2.3.0

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4.4 akka-agent_2.10 2.3.0

4.5 aopalliance 2.4.0

4.6 aopalliance version 1.0 repackaged as a module 2.3.0-b10

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4.13 asm 5.0.4

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4.14 **async-http-client 1.7.16**

4.15 **Backbone.js 1.0.0**

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4.16 **bcprov-jdk15on 1.51**

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4.18 BeanUtils 1.9.3

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4.25 commons-beanutils 1.9.3

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4.26 config 1.2.0

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4.54 jackson-annotations 2.4.5

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4.56 Jackson-core 2.4.2

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4.57 jackson-core 2.7.4

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4.59 jackson-core-asl 1.9.13

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```
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*/
```

```
packa
```

4.60 jackson-core-asl 1.9.2

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4.61 jackson-databind 2.4.2

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4.62 jackson-databind 2.7.4

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4.63 jackson-databind 2.4.5

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4.66 Jackson-dataformat-YAML 2.5.4

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4.68 jackson-datatype-joda 2.4.5

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4.70 jackson-jaxrs-base 2.7.4

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4.73 jackson-mapper-asl 1.9.2

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/* Jackson JSON-processor.

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4.74 jackson-mapper-asl 1.9.13

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4.75 Jackson-module-JAXB-annotations 2.4.5

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```
# Jackson JSON processor
```

Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.

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4.76 jackson-module-jaxb-annotations 2.7.4

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4.80 javaassist 3.18.2-GA

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The primary ANTLR guy:

Terence Parr

parrt@cs.usfca.edu

parrt@antlr.org

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Version 1.1

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Version 1.1

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/*

File: Core.js

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework <<http://mootools.net>>. Copyright (c) 2006-2009 Valerio Proietti, <<http://mad4milk.net/>>. MIT license <<http://mootools.net/license.txt>>.

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Nicolas Garcia Belmonte

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The binary file of the original library has been modified by Atlassian in such way that classes have changed their package names from 'it.unimi.dsi.fastutil' to 'clover.it.unimi.dsi.fastutil'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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Maven Ant Tasks

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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m9CodeLocalVariableTableLineNumberTable
SourceFile!

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getMessage()Ljava/lang/String;-
"/*(Ljava/lang/String;Ljava/lang/Throwable;)V1
,2e/Lclover/com/atlassian/license/LicenseException;pair*Lclover/com/atlassian/license/LicensePair;applicationNam
eisValid?(Lclover/com/atlassian/license/LicensePair;Ljava/lang/String;)Z
;java/lang/Exception=getPublicKeyFilename&(Ljava/lang/String;)Ljava/lang/String;?@
ACjava/lang/StringEequals(Ljava/lang/Object;)ZGH
FI]The filename for the public key is null. This must be set before a public key can be
located.K(Ljava/lang/String;)VM
"NloadPublicKeyFromFileP$
Q Sjava/lang/StringBufferU
V!Exception looking up public key: Xappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;Z[
V\
>/toString_
V`error*(Ljava/lang/Object;Ljava/lang/Throwable;)VbcdfException getting verification from file - possible
classloader problem, or corrupt JIRA installation
fLjava/lang/Exception;publicKeyFileNamejava/io/IOExceptionj&java/security/NoSuchAlgorithmException!*java/s
ecurity/spec/InvalidKeySpecExceptionnjava/lang/Threadp
currentThread()Ljava/lang/Thread;rs
qtgetContextClassLoader()Ljava/lang/ClassLoader;vw
qxjava/lang/ClassLoaderzgetResourceAsStream)(Ljava/lang/String;)Ljava/io/InputStream;|}
{~ getClass()Ljava/lang/Class;
java/lang/ClassGetComponentType
getClassLoaderw
)clover/com/atlassian/license/LicenseUtilsreadKey(Ljava/io/InputStream;)[B
java/io/InputStreamclose
%java/security/spec/X509EncodedKeySpec([B)V
DSAjava/security/KeyFactorygetInstance.(Ljava/lang/String;)Ljava/security/KeyFactory;
generatePublic7(Ljava/security/spec/KeySpec;)Ljava/security/PublicKey;
keyfisLjava/io/InputStream;
contextLoaderLjava/lang/ClassLoader;encKey[B
pubKeySpecLjava/security/spec/X509EncodedKeySpec;
keyFactoryLjava/security/KeyFactory;(clover/com/atlassian/license/LicensePairisNG()Z
parseNewLicense
parseOldLicense(
(Ljava/lang/Object;)Vb publicKeyLjava/security/PublicKey;!java/security/InvalidKeyException
java/security/SignatureExceptionSHA1withDSAjava/security/Signature-
(Ljava/lang/String;)Ljava/security/Signature;

initVerify(Ljava/security/PublicKey;)V
()[B
update
getHash
verify([B)Z
getDecodedMessage([B)Ljava/lang/String;
java/util/StringTokenizer^(Ljava/lang/String;Ljava/lang/String;)V

hasMoreTokens

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nextToken.
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getLicenseType?(Ljava/lang/String;I)Lclover/com/atlassian/license/LicenseType;
-clover/com/atlassian/extras/common/DateEditorgetDate$(Ljava/lang/String;)Ljava/util/Date;
(clover/com/atlassian/license/LicenseTypeexpires
getOriginalLicenseString.

getLicenseIdFromLicenseString@
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;Lclover/com/atlassian/license/LicenseType;ILjava/lang/String;Ljava/lang/String;ILjava/lang/String;)V
"Signature did not verify
properly."warn$%usersAndClustersLimitsparts[Ljava/lang/String;licenseTypeCodeIlicenseType*Lclover/com/atlas
sian/license/LicenseType;dateCreatedLjava/util/Date;
datePurchaseddateExpiresorganisation licenseIdusersclusterCountpartnerName
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signatureLjava/security/Signature;=clover/com/atlassian/extras/decoder/v2/Version2LicenseDecoder<
= canDecode(Ljava/lang/String;)Z?@
=A Failed to decode as V2 license:
C,(Ljava/lang/Object;)Ljava/lang/StringBuffer;ZE
VFdecode*(Ljava/lang/String;)Ljava/util/Properties;HI
=J
lookupProduct=(Ljava/lang/String;)Lclover/com/atlassian/extras/api/Product;LM
N@clover/com/atlassian/extras/common/util/ProductLicensePropertiesPB(Lclover/com/atlassian/extras/api/Product;
Ljava/util/Properties;)VR
QSLicenseEditionUgetPropertyW@
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ssian/extras/api/Product;
getName.
equalsIgnoreCase@
FgetNamespace.
replace(CC)Ljava/lang/String;
F"java/lang/IllegalArgumentException Could not find product for key <>
Narr$*[Lclover/com/atlassian/extras/api/Product;len$I$keylength()I

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substring(II)Ljava/lang/String;

FtoUpperCase.

ForiginalLicenseString\$java/io/UnsupportedEncodingExceptionUTF-8([BLjava/lang/String;)V

F(Ljava/lang/Throwable;)V

,&Ljava/io/UnsupportedEncodingException;messageX(Lclover/com/atlassian/license/LicensePair;Ljava/security/Pu
blicKey;Ljava/lang/String;)ZgetLicenseTypeStoreC(Ljava/lang/String;)Lclover/com/atlassian/license/LicenseTypeS
tore;

-clover/com/atlassian/license/LicenseTypeStoregetPublicKeyFileName.

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ConstantValue SyntheticCodeLocalVariableTableLineNumberTable

Exceptions

SourceFileInnerClasses!

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enseRegistry;Lclover/com/atlassian/license/LicenseTypeStore;)V
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qAttempt to set invalid license. Ensure that you are calling setLicense(license, appName) - not (appName,
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Exceptions

SourceFileInnerClasses!

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ang/Object;)Z

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ype>(Ljava/lang/String;)Lclover/com/atlassian/license/LicenseType;-clover/com/atlassian/license/LicenseException
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next()Ljava/lang/Object;"#$(clover/com/atlassian/license/LicenseType&getDescription()Ljava/lang/String;()*java/l
ang/String,toLowerCase.)
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Exceptions
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Version 2, June 1991

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Modified by Atlassian

The binary file of the original library has been modified by Atlassian in such way that classes have changed their package names from 'org.apache.velocity' to 'clover.org.apache.velocity'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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

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

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

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

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

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

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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.

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

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The binary file of the original library has been modified by Atlassian in such way that classes have changed
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conflicts during instrumentation of a code using the original library when using Clover.
No source code of the original library was modified.

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The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
parrt@antlr.org

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Version 2.1, February 1999

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

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

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4.118 Jna 3.2.7

4.119 jnr-constants 0.8.6

4.120 joda-convert 1.8.1

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4.121 joda-time 2.9.2

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4.122 JSON in Java 20131018

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4.123 json-java 20140107

4.124 json4s-ast 3.5.3

4.125 json4s-core 3.5.3

4.126 json4s-jackson 3.5.3

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int wcount;

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// Original can be found at:

// <https://bitbucket.org/lindenlab/lld>

// Modifications by Joshua Bell inexorable@lindenlab.com

// <https://github.com/inexorable/polyfill>

// ES3/ES5 implementation of the Khronos Typed Array Specification

// Ref: <http://www.khronos.org/registry/typedarray/specs/latest/>

// Date: 2011-02-01

//

// Variations:

// * Allows typed_array.get/set() as alias for subscripts (typed_array[])
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```
var test = require('tap').test
var init = require('./')
var rimraf = require('rimraf')
var common = require('./lib/common')

test('license', function (t) {
  init(__dirname, {}, function (er, data) {
    if (er)
      throw er

    var wanted = {
      name: 'the-name',
      version: '1.0.0',
      description: "",
      scripts: { test: 'echo "Error: no test specified" && exit 1' },
      license: 'Apache-2.0',
      author: "",
      main: 'basic.js'
    }
    console.log("")
    t.has(data, wanted)
    t.end()
  })
  common.drive([
    'the-name\n',
    '\n',
```

```
\n',
\n',
\n',
\n',
\n',
\n',
\n',
'Apache\n',
'Apache-2.0\n',
'yes\n'
])
})
```

```
test('teardown', function (t) {
  rimraf(__dirname + '/package.json', t.end.bind(t))
})
```

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Version 2.0, January 2004

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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation

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This package is a JavaScript porting of `wcwidth()` implementation
[by Markus Kuhn](<http://www.cl.cam.ac.uk/~mgk25/ucs/wcwidth.c>).

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"CC-BY-SA-3.0",
"CC-BY-SA-4.0",
"CC0-1.0",
"Crossword",
"CrystalStacker",
"CUA-OPL-1.0",
"Cube",
"curl",
"D-FSL-1.0",
"diffmark",
"WTFPL",
"DOC",
"Dotseqn",
"DSDP",
"dvi-pdf",
"EPL-1.0",
"ECL-1.0",
"ECL-2.0",
"eGenix",
"EFL-1.0",
"EFL-2.0",
"MIT-advertising",
"MIT-enna",
"Entessa",
"ErlPL-1.1",
"EUDatagrid",
"EUPL-1.0",
"EUPL-1.1",
"Eurosym",
"Fair",
"MIT-feh",
"Frameworkx-1.0",
"FreeImage",
"FTL",
"FSFUL",
"FSFULLR",
"Giftware",
"GL2PS",
"Glulxe",
"AGPL-3.0",
"GFDL-1.1",
"GFDL-1.2",
"GFDL-1.3",
"GPL-1.0",
"GPL-2.0",
"GPL-3.0",

"LGPL-2.1",
"LGPL-3.0",
"LGPL-2.0",
"gnuplot",
"gSOAP-1.3b",
"HaskellReport",
"HPND",
"IBM-pibs",
"IPL-1.0",
"ICU",
"ImageMagick",
"iMatix",
"Imlib2",
"IJG",
"Info-ZIP",
"Intel-ACPI",
"Intel",
"Interbase-1.0",
"IPA",
"ISC",
"JasPer-2.0",
"JSON",
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"LPPL-1.2",
"LPPL-1.3a",
"LPPL-1.3c",
"Latex2e",
"BSD-3-Clause-LBNL",
"Leptonica",
"LGPLLR",
"Libpng",
"libtiff",
"LPL-1.02",
"LPL-1.0",
"MakeIndex",
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"MS-PL",
"MS-RL",
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"MITNFA",
"MIT",
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"mpich2",

"Multics",
"Mup",
"NASA-1.3",
"Naumen",
"NBPL-1.0",
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"NGPL",
"NOSL",
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"NPL-1.1",
"Newsletr",
"NLPL",
"Nokia",
"NPOSL-3.0",
"Noweb",
"NRL",
"NTP",
"Nunit",
"OCLC-2.0",
"ODbL-1.0",
"PDDL-1.0",
"OCCT-PL",
"OGTSL",
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"OML",
"OPL-1.0",
"OSL-1.0",
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"OSL-3.0",
"OpenSSL",
"PHP-3.0",

"PHP-3.01",
"Plexus",
"PostgreSQL",
"psfrag",
"psutils",
"Python-2.0",
"QPL-1.0",
"Qhull",
"Rdisc",
"RPSL-1.0",
"RPL-1.1",
"RPL-1.5",
"RHeCos-1.1",
"RSCPL",
"RSA-MD",
"Ruby",
"SAX-PD",
"Saxpath",
"SCEA",
"SWL",
"Sendmail",
"SGI-B-1.0",
"SGI-B-1.1",
"SGI-B-2.0",
"OFL-1.0",
"OFL-1.1",
"SimPL-2.0",
"Sleepycat",
"SNIA",
"Spencer-86",
"Spencer-94",
"Spencer-99",
"SMLNJ",
"SugarCRM-1.1.3",
"SISSL",
"SISSL-1.2",
"SPL-1.0",
"Watcom-1.0",
"TCL",
"Unlicense",
"TMate",
"TORQUE-1.1",
"TOSL",
"Unicode-TOU",
"UPL-1.0",
"NCSA",
"Vim",
"VOSTROM",


```

"VSL-1.0",
"W3C-19980720",
"W3C",
"Wsuipa",
"Xnet",
"X11",
"Xerox",
"XFree86-1.1",
"xinetd",
"xpp",
"XSkat",
"YPL-1.0",
"YPL-1.1",
"Zed",
"Zend-2.0",
"Zimbra-1.3",
"Zimbra-1.4",
"Zlib",
"zlib-acknowledgement",
"ZPL-1.1",
"ZPL-2.0",
"ZPL-2.1",
"eCos-2.0",
"GPL-2.0-with-autoconf-exception",
"GPL-2.0-with-bison-exception",
"GPL-2.0-with-classpath-exception",
"GPL-2.0-with-font-exception",
"GPL-2.0-with-GCC-exception",
"GPL-3.0-with-autoconf-exception",
"GPL-3.0-with-GCC-exception",
"StandardML-NJ",
"WXwindows"
]
{
  "_args": [
    [
      "spdx-license-ids@^1.0.2",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct"
    ]
  ],
  "_from": "spdx-license-ids@>=1.0.2 <2.0.0",
  "_id": "spdx-license-ids@1.2.0",
  "_inCache": true,
  "_installable": true,
  "_location": "/validate-npm-package-license/spdx-correct/spdx-license-ids",
  "_nodeVersion": "5.4.0",
  "_npmUser": {
    "email": "snnskwtnb@gmail.com",

```

```

    "name": "shinnn"
  },
  "_npmVersion": "3.5.2",
  "_phantomChildren": {},
  "_requested": {
    "name": "spdx-license-ids",
    "raw": "spdx-license-ids@^1.0.2",
    "rawSpec": "^1.0.2",
    "scope": null,
    "spec": ">=1.0.2 <2.0.0",
    "type": "range"
  },
  "_requiredBy": [
    "/validate-npm-package-license/spdx-correct"
  ],
  "_resolved": "https://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz",
  "_shasum": "b549dd0f63dcb745a17e2ea3a07402e0e332d1e2",
  "_shrinkwrap": null,
  "_spec": "spdx-license-ids@^1.0.2",
  "_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct",
  "author": {
    "name": "Shinnosuke Watanabe",
    "url": "https://github.com/shinnn"
  },
  "bugs": {
    "url": "https://github.com/shinnn/spdx-license-ids/issues"
  },
  "dependencies": {},
  "description": "A list of SPDX license identifiers",
  "devDependencies": {
    "@shinnn/eslintrc": "^1.0.0",
    "each-async": "^1.1.1",
    "eslint": "^0.24.0",
    "got": "^3.3.0",
    "istanbul": "^0.3.17",
    "require-bower-files": "^2.0.0",
    "rimraf": "^2.4.1",
    "stringify-object": "^2.2.0",
    "tape": "^4.0.0"
  },
  "directories": {},
  "dist": {
    "shasum": "b549dd0f63dcb745a17e2ea3a07402e0e332d1e2",
    "tarball": "http://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz"
  },
  "files": [
    "spdx-license-ids.json"
  ],

```

```

"gitHead": "f74a7a16ca05540e0e97f1bbb61da07829b5d9ab",
"homepage": "https://github.com/shinmn/spdx-license-ids#readme",
"keywords": [
  "array",
  "browser",
  "client-side",
  "id",
  "identifier",
  "identifiers",
  "json",
  "license",
  "licenses",
  "oss",
  "spdx"
],
"license": "Unlicense",
"main": "spdx-license-ids.json",
"maintainers": [
  {
    "name": "shinmn",
    "email": "snnskwtbn@gmail.com"
  }
],
"name": "spdx-license-ids",
"optionalDependencies": {},
"readme": "ERROR: No README data found!",
"repository": {
  "type": "git",
  "url": "git+https://github.com/shinmn/spdx-license-ids.git"
},
"scripts": {
  "build": "node --harmony_arrow_functions build.js",
  "coverage": "node --harmony_arrow_functions node_modules/.bin/istanbul cover test.js",
  "coveralls": "${npm_package_scripts_coverage} && istanbul-coveralls",
  "lint": "eslint --config node_modules/@shinmn/eslintrc/rc.json --ignore-path .gitignore .",
  "pretest": "${npm_package_scripts_build} && ${npm_package_scripts_lint}",
  "test": "node --harmony_arrow_functions test.js"
},
"version": "1.2.0"
}
# spdx-license-ids

```

A list of [SPDX license](https://spdx.org/licenses/) identifiers

[**Download JSON**](https://raw.githubusercontent.com/shinmn/spdx-license-ids/master/spdx-license-ids.json)

Use as a JavaScript Library

[![NPM version](https://img.shields.io/npm/v/spdx-license-ids.svg)](https://www.npmjs.org/package/spdx-license-ids)
[![Bower version](https://img.shields.io/bower/v/spdx-license-ids.svg)](https://github.com/shinnn/spdx-license-ids/releases)
[![Build Status](https://travis-ci.org/shinnn/spdx-license-ids.svg?branch=master)](https://travis-ci.org/shinnn/spdx-license-ids)
[![Coverage Status](https://img.shields.io/coveralls/shinnn/spdx-license-ids.svg)](https://coveralls.io/r/shinnn/spdx-license-ids)
[![devDependency Status](https://david-dm.org/shinnn/spdx-license-ids/dev-status.svg)](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)

Installation

Package managers

[npm](https://www.npmjs.com/)

```
```sh
npm install spdx-license-ids
```
```

[bower](http://bower.io/)

```
```sh
bower install spdx-license-ids
```
```

[Duo](http://duojs.org/)

```
```javascript
const spdxLicenseIds = require('shinnn/spdx-license-ids');
```
```

Standalone

[Download the script file directly.](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/spdx-license-ids-browser.js)

API

spdxLicenseIds

Type: `Array` of `String`

It returns an array of SPDX license identifiers.

```
```javascript
const spdxLicenseIds = require('spdx-license-ids'); //=> ['Glide', 'Abstyles', 'AFL-1.1', ...]
```
```

```

...

## License

[The Unlicense](./LICENSE).
var licenseIDs = require('spdx-license-ids');

function valid(string) {
  return licenseIDs.indexOf(string) > -1;
}

// Common transpositions of license identifier acronyms
var transpositions = [
  ['APGL', 'AGPL'],
  ['Gpl', 'GPL'],
  ['GLP', 'GPL'],
  ['APL', 'Apache'],
  ['ISD', 'ISC'],
  ['GLP', 'GPL'],
  ['IST', 'ISC'],
  ['Claude', 'Clause'],
  [' or later', '+'],
  [' International', ""],
  ['GNU', 'GPL'],
  ['GUN', 'GPL'],
  ['+', ""],
  ['GNU GPL', 'GPL'],
  ['GNU/GPL', 'GPL'],
  ['GNU GLP', 'GPL'],
  ['GNU General Public License', 'GPL'],
  ['Gnu public license', 'GPL'],
  ['GNU Public License', 'GPL'],
  ['GNU GENERAL PUBLIC LICENSE', 'GPL'],
  ['MTI', 'MIT'],
  ['Mozilla Public License', 'MPL'],
  ['WTH', 'WTF'],
  ['-License', ""],
];

var TRANSPOSED = 0;
var CORRECT = 1;

// Simple corrections to nearly valid identifiers.
var transforms = [
  // e.g. 'mit'
  function(argument) {
    return argument.toUpperCase();
  },

```

```

// e.g. 'MIT '
function(argument) {
    return argument.trim();
},
// e.g. 'M.I.T.'
function(argument) {
    return argument.replace(/\./g, "");
},
// e.g. 'Apache- 2.0'
function(argument) {
    return argument.replace(/\s+/g, "");
},
// e.g. 'CC BY 4.0'
function(argument) {
    return argument.replace(/\s+/g, '-');
},
// e.g. 'LGPLv2.1'
function(argument) {
    return argument.replace('v', '-');
},
// e.g. 'Apache 2.0'
function(argument) {
    return argument.replace(/,\?\s*(\d)/, '-$1');
},
// e.g. 'GPL 2'
function(argument) {
    return argument.replace(/,\?\s*(\d)/, '-$1.0');
},
// e.g. 'Apache Version 2.0'
function(argument) {
    return argument.replace(/,\?\s*(V\.|v\.|V|v|Version|version)\s*(\d)/, '-$2');
},
// e.g. 'Apache Version 2'
function(argument) {
    return argument.replace(/,\?\s*(V\.|v\.|V|v|Version|version)\s*(\d)/, '-$2.0');
},
// e.g. 'ZLIB'
function(argument) {
    return argument[0].toUpperCase() + argument.slice(1);
},
// e.g. 'MPL/2.0'
function(argument) {
    return argument.replace('/', '-');
},
// e.g. 'Apache 2'
function(argument) {
    return argument
        .replace(/\s*\V\s*(\d)/, '-$1')

```

```

        .replace(/(\d)/, '$1.0');
    },
    // e.g. 'GPL-2.0-'
    function(argument) {
        return argument.slice(0, argument.length - 1);
    },
    // e.g. 'GPL2'
    function(argument) {
        return argument.replace(/(\d)/, '-$1.0');
    },
    // e.g. 'BSD 3'
    function(argument) {
        return argument.replace(/(-)?(\d)/, '-$2-Clause');
    },
    // e.g. 'BSD clause 3'
    function(argument) {
        return argument.replace(/(-) clause(-) (\d)/, '-$3-Clause');
    },
    // e.g. 'BY-NC-4.0'
    function(argument) {
        return 'CC-' + argument;
    },
    // e.g. 'BY-NC'
    function(argument) {
        return 'CC-' + argument + '-4.0';
    },
    // e.g. 'Attribution-NonCommercial'
    function(argument) {
        return argument
            .replace('Attribution', 'BY')
            .replace('NonCommercial', 'NC')
            .replace('NoDerivatives', 'ND')
            .replace(/ (\d)/, '-$1')
            .replace(/ ?International/, "");
    },
    // e.g. 'Attribution-NonCommercial'
    function(argument) {
        return 'CC-' +
            argument
            .replace('Attribution', 'BY')
            .replace('NonCommercial', 'NC')
            .replace('NoDerivatives', 'ND')
            .replace(/ (\d)/, '-$1')
            .replace(/ ?International/, "") +
            '-4.0';
    }
];

```

```

// If all else fails, guess that strings containing certain substrings
// meant to identify certain licenses.
var lastResorts = [
  ['UNLI', 'Unlicense'],
  ['WTF', 'WTFPL'],
  ['2 CLAUSE', 'BSD-2-Clause'],
  ['2-CLAUSE', 'BSD-2-Clause'],
  ['3 CLAUSE', 'BSD-3-Clause'],
  ['3-CLAUSE', 'BSD-3-Clause'],
  ['AFFERO', 'AGPL-3.0'],
  ['AGPL', 'AGPL-3.0'],
  ['APACHE', 'Apache-2.0'],
  ['ARTISTIC', 'Artistic-2.0'],
  ['Affero', 'AGPL-3.0'],
  ['BEER', 'Beerware'],
  ['BOOST', 'BSL-1.0'],
  ['BSD', 'BSD-2-Clause'],
  ['ECLIPSE', 'EPL-1.0'],
  ['FUCK', 'WTFPL'],
  ['GNU', 'GPL-3.0'],
  ['LGPL', 'LGPL-3.0'],
  ['GPL', 'GPL-3.0'],
  ['MIT', 'MIT'],
  ['MPL', 'MPL-2.0'],
  ['X11', 'X11'],
  ['ZLIB', 'Zlib']
];

var SUBSTRING = 0;
var IDENTIFIER = 1;

var validTransformation = function(identifier) {
  for (var i = 0; i < transforms.length; i++) {
    var transformed = transforms[i](identifier);
    if (transformed !== identifier && valid(transformed)) {
      return transformed;
    }
  }
  return null;
};

var validLastResort = function(identifier) {
  var upperCased = identifier.toUpperCase();
  for (var i = 0; i < lastResorts.length; i++) {
    var lastResort = lastResorts[i];
    if (upperCased.indexOf(lastResort[SUBSTRING]) > -1) {
      return lastResort[IDENTIFIER];
    }
  }
}

```



```

    }
    return null;
};

var anyCorrection = function(identifier, check) {
    for (var i = 0; i < transpositions.length; i++) {
        var transposition = transpositions[i];
        var transposed = transposition[TRANSPOSED];
        if (identifier.indexOf(transposed) > -1) {
            var corrected = identifier.replace(
                transposed,
                transposition[CORRECT]
            );
            var checked = check(corrected);
            if (checked !== null) {
                return checked;
            }
        }
    }
    return null;
};

module.exports = function(identifier) {
    identifier = identifier.replace(/$/, "");
    if (valid(identifier)) {
        return identifier;
    }
    var transformed = validTransformation(identifier);
    if (transformed !== null) {
        return transformed;
    }
    transformed = anyCorrection(identifier, function(argument) {
        if (valid(argument)) {
            return argument;
        }
        return validTransformation(argument);
    });
    if (transformed !== null) {
        return transformed;
    }
    transformed = validLastResort(identifier);
    if (transformed !== null) {
        return transformed;
    }
    transformed = anyCorrection(identifier, validLastResort);
    if (transformed !== null) {
        return transformed;
    }
}

```

```

return null;
};
{
  "_args": [
    [
      "spdx-correct@~1.0.0",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license"
    ]
  ],
  "_from": "spdx-correct@>=1.0.0 <1.1.0",
  "_id": "spdx-correct@1.0.2",
  "_inCache": true,
  "_installable": true,
  "_location": "/validate-npm-package-license/spdx-correct",
  "_nodeVersion": "4.2.1",
  "_npmUser": {
    "email": "kyle@kemitchell.com",
    "name": "kemitchell"
  },
  "_npmVersion": "3.3.6",
  "_phantomChildren": {},
  "_requested": {
    "name": "spdx-correct",
    "raw": "spdx-correct@~1.0.0",
    "rawSpec": "~1.0.0",
    "scope": null,
    "spec": ">=1.0.0 <1.1.0",
    "type": "range"
  },
  "_requiredBy": [
    "/validate-npm-package-license"
  ],
  "_resolved": "https://registry.npmjs.org/spdx-correct/-/spdx-correct-1.0.2.tgz",
  "_shasum": "4b3073d933ff51f3912f03ac5519498a4150db40",
  "_shrinkwrap": null,
  "_spec": "spdx-correct@~1.0.0",
  "_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license",
  "author": {
    "email": "kyle@kemitchell.com",
    "name": "Kyle E. Mitchell",
    "url": "https://kemitchell.com"
  },
  "bugs": {
    "url": "https://github.com/kemitchell/spdx-correct.js/issues"
  },
  "dependencies": {
    "spdx-license-ids": "^1.0.2"
  },
}

```

```

"description": "correct invalid SPDX identifiers",
"devDependencies": {
  "defence-cli": "^1.0.1",
  "replace-require-self": "^1.0.0",
  "spdx-expression-parse": "^1.0.0",
  "tape": "~4.0.0"
},
"directories": {},
"dist": {
  "shasum": "4b3073d933ff51f3912f03ac5519498a4150db40",
  "tarball": "http://registry.npmjs.org/spdx-correct/-/spdx-correct-1.0.2.tgz"
},
"gitHead": "8430a3ad521e1455208db33faafcb79c7b074236",
"homepage": "https://github.com/kemitchell/spdx-correct.js#readme",
"keywords": [
  "SPDX",
  "law",
  "legal",
  "license",
  "metadata"
],
"license": "Apache-2.0",
"maintainers": [
  {
    "name": "kemitchell",
    "email": "kyle@kemitchell.com"
  },
  {
    "name": "othiym23",
    "email": "ogd@aoaiioxxysz.net"
  }
],
"name": "spdx-correct",
"optionalDependencies": {},
"readme": "ERROR: No README data found!",
"repository": {
  "type": "git",
  "url": "git+https://github.com/kemitchell/spdx-correct.js.git"
},
"scripts": {
  "test": "defence README.md | replace-require-self | node && tape *.test.js"
},
"version": "1.0.2"
}
```javascript
var correct = require('spdx-correct');
var assert = require('assert');

```

```
assert.equal(correct('mit'), 'MIT')
```

```
assert.equal(correct('Apache 2'), 'Apache-2.0')
```

```
assert(correct('No idea what license') === null)
```

```
...
```

The MIT License

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[

"389-exception",

"Autoconf-exception-2.0",

"Autoconf-exception-3.0",

"Bison-exception-2.2",

"CLISP-exception-2.0",

"Classpath-exception-2.0",

"FLTK-exception",

"FLTK-exception-2.0",

"Font-exception-2.0",

"GCC-exception-2.0",

"GCC-exception-3.1",

"LZMA-exception",

"Libtool-exception",

"Nokia-Qt-exception-1.1",

"Qwt-exception-1.0",

"WxWindows-exception-3.1",

"eCos-exception-2.0",

"freertos-exception-2.0",

"gnu-javamail-exception",

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 "i2p-gpl-java-exception",
 "mif-exception",
 "u-boot-exception-2.0"
]
 {
 "_args": [
 [
 "spdx-exceptions@^1.0.4",
 "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-parse"
]
],
 "_from": "spdx-exceptions@>=1.0.4 <2.0.0",
 "_id": "spdx-exceptions@1.0.4",
 "_inCache": true,
 "_installable": true,
 "_location": "/validate-npm-package-license/spdx-expression-parse/spdx-exceptions",
 "_nodeVersion": "5.0.0",
 "_npmUser": {
 "email": "kyle@kemitchell.com",
 "name": "kemitchell"
 },
 "_npmVersion": "3.3.6",
 "_phantomChildren": {},
 "_requested": {
 "name": "spdx-exceptions",
 "raw": "spdx-exceptions@^1.0.4",
 "rawSpec": "^1.0.4",
 "scope": null,
 "spec": ">=1.0.4 <2.0.0",
 "type": "range"
 },
 "_requiredBy": [
 "/validate-npm-package-license/spdx-expression-parse"
],
 "_resolved": "https://registry.npmjs.org/spdx-exceptions/-/spdx-exceptions-1.0.4.tgz",
 "_shasum": "220b84239119ae9045a892db81a83f4ce16f80fd",
 "_shrinkwrap": null,
 "_spec": "spdx-exceptions@^1.0.4",
 "_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-
 parse",
 "author": {
 "name": "The Linux Foundation"
 },
 "bugs": {
 "url": "https://github.com/kemitchell/spdx-exceptions.json/issues"
 },
 "contributors": [
 {

```

```

 "name": "Kyle E. Mitchell",
 "email": "kyle@kemitchell.com",
 "url": "https://kemitchell.com/"
 }
],
"dependencies": {},
"description": "list of SPDX standard license exceptions",
"devDependencies": {},
"directories": {},
"dist": {
 "shasum": "220b84239119ae9045a892db81a83f4ce16f80fd",
 "tarball": "http://registry.npmjs.org/spdx-exceptions/-/spdx-exceptions-1.0.4.tgz"
},
"gitHead": "770316d6c946417ab6efa8533b82d0b61779092b",
"homepage": "https://github.com/kemitchell/spdx-exceptions.json#readme",
"license": "CC-BY-3.0",
"maintainers": [
 {
 "name": "kemitchell",
 "email": "kyle@kemitchell.com"
 }
],
"name": "spdx-exceptions",
"optionalDependencies": {},
"readme": "ERROR: No README data found!",
"repository": {
 "type": "git",
 "url": "git+https://github.com/kemitchell/spdx-exceptions.json.git"
},
"scripts": {},
"version": "1.0.4"
}

```

The package exports an array of strings.

```

{
 "_args": [
 [
 "spdx-license-ids@^1.0.0",
 "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-parse"
],
 [
 "spdx-license-ids@^1.0.2",
 "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct"
]
],
 "_from": "spdx-license-ids@>=1.0.0 <2.0.0",
 "_id": "spdx-license-ids@1.2.0",
 "_inCache": true,
 "_installable": true,

```

```

"_location": "/validate-npm-package-license/spdx-expression-parse/spdx-license-ids",
"_nodeVersion": "5.4.0",
"_npmUser": {
 "email": "snnskwtnb@gmail.com",
 "name": "shinnn"
},
"_npmVersion": "3.5.2",
"_phantomChildren": {},
"_requested": {
 "name": "spdx-license-ids",
 "raw": "spdx-license-ids@^1.0.0",
 "rawSpec": "^1.0.0",
 "scope": null,
 "spec": ">=1.0.0 <2.0.0",
 "type": "range"
},
"_requiredBy": [
 "/validate-npm-package-license/spdx-expression-parse"
],
"_shrinkwrap": null,
"_spec": "spdx-license-ids@^1.0.0",
"_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-
parse",
"author": {
 "name": "Shinnosuke Watanabe",
 "url": "https://github.com/shinnn"
},
"bugs": {
 "url": "https://github.com/shinnn/spdx-license-ids/issues"
},
"dependencies": {},
"description": "A list of SPDX license identifiers",
"devDependencies": {
 "@shinnn/eslintrc": "^1.0.0",
 "each-async": "^1.1.1",
 "eslint": "^0.24.0",
 "got": "^3.3.0",
 "istanbul": "^0.3.17",
 "require-bower-files": "^2.0.0",
 "rimraf": "^2.4.1",
 "stringify-object": "^2.2.0",
 "tape": "^4.0.0"
},
"directories": {},
"dist": {
 "shasum": "b549dd0f63dcb745a17e2ea3a07402e0e332d1e2",
 "tarball": "http://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz"
},

```

```

"files": [
 "spdx-license-ids.json"
],
"gitHead": "f74a7a16ca05540e0e97f1bbb61da07829b5d9ab",
"homepage": "https://github.com/shinnn/spdx-license-ids#readme",
"keywords": [
 "array",
 "browser",
 "client-side",
 "id",
 "identifier",
 "identifiers",
 "json",
 "license",
 "licenses",
 "oss",
 "spdx"
],
"license": "Unlicense",
"main": "spdx-license-ids.json",
"maintainers": [
 {
 "name": "shinnn",
 "email": "snnskwtb@gmail.com"
 }
],
"name": "spdx-license-ids",
"optionalDependencies": {},
"readme": "ERROR: No README data found!",
"repository": {
 "type": "git",
 "url": "git+https://github.com/shinnn/spdx-license-ids.git"
},
"scripts": {
 "build": "node --harmony_arrow_functions build.js",
 "coverage": "node --harmony_arrow_functions node_modules/.bin/istanbul cover test.js",
 "coveralls": "${npm_package_scripts_coverage} && istanbul-coveralls",
 "lint": "eslint --config node_modules/@shinnn/eslintrc/rc.json --ignore-path .gitignore .",
 "pretest": "${npm_package_scripts_build} && ${npm_package_scripts_lint}",
 "test": "node --harmony_arrow_functions test.js"
},
"version": "1.2.0"
}
var parser = require('./parser.generated.js').parser

module.exports = function(argument) {
 return parser.parse(argument) }

```



```

{
 "_args": [
 [
 "spdx-expression-parse@~1.0.0",
 "/Users/rebecca/code/npm/node_modules/validate-npm-package-license"
]
],
 "_from": "spdx-expression-parse@>=1.0.0 <1.1.0",
 "_id": "spdx-expression-parse@1.0.2",
 "_inCache": true,
 "_installable": true,
 "_location": "/validate-npm-package-license/spdx-expression-parse",
 "_nodeVersion": "5.0.0",
 "_npmUser": {
 "email": "kyle@kemitchell.com",
 "name": "kemitchell"
 },
 "_npmVersion": "3.3.6",
 "_phantomChildren": {},
 "_requested": {
 "name": "spdx-expression-parse",
 "raw": "spdx-expression-parse@~1.0.0",
 "rawSpec": "~1.0.0",
 "scope": null,
 "spec": ">=1.0.0 <1.1.0",
 "type": "range"
 },
 "_requiredBy": [
 "/validate-npm-package-license"
],
 "_resolved": "https://registry.npmjs.org/spdx-expression-parse/-/spdx-expression-parse-1.0.2.tgz",
 "_shasum": "d52b14b5e9670771440af225bcb563122ac452f6",
 "_shrinkwrap": null,
 "_spec": "spdx-expression-parse@~1.0.0",
 "_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license",
 "author": {
 "email": "kyle@kemitchell.com",
 "name": "Kyle E. Mitchell",
 "url": "http://kemitchell.com"
 },
 "bugs": {
 "url": "https://github.com/kemitchell/spdx-expression-parse.js/issues"
 },
 "dependencies": {
 "spdx-exceptions": "^1.0.4",
 "spdx-license-ids": "^1.0.0"
 },
 "description": "parse SPDX license expressions",

```

```

"devDependencies": {
 "defence-cli": "^1.0.1",
 "jison": "^0.4.15",
 "replace-require-self": "^1.0.0",
 "uglify-js": "^2.4.24"
},
"directories": {},
"dist": {
 "shasum": "d52b14b5e9670771440af225bcb563122ac452f6",
 "tarball": "http://registry.npmjs.org/spdx-expression-parse/-/spdx-expression-parse-1.0.2.tgz"
},
"gitHead": "ffe2fa7272ebf640b18286fc561f17a844d4f06b",
"homepage": "https://github.com/kemitchell/spdx-expression-parse.js#readme",
"keywords": [
 "SPDX",
 "law",
 "legal",
 "license",
 "metadata",
 "package",
 "package.json",
 "standards"
],
"license": "(MIT AND CC-BY-3.0)",
"maintainers": [
 {
 "name": "kemitchell",
 "email": "kyle@kemitchell.com"
 }
],
"name": "spdx-expression-parse",
"optionalDependencies": {},
"readme": "ERROR: No README data found!",
"repository": {
 "type": "git",
 "url": "git+https://github.com/kemitchell/spdx-expression-parse.js.git"
},
"scripts": {
 "prepublish": "node generate-parser.js | uglifyjs > parser.generated.js",
 "pretest": "npm run prepublish",
 "test": "defence -i javascript README.md | replace-require-self | node"
},
"version": "1.0.2"
}
```javascript
var parse = require('spdx-expression-parse')
var assert = require('assert')

```

```

var firstAST = {
  left: { license: 'LGPL-2.1' },
  conjunction: 'or',
  right: {
    left: { license: 'BSD-3-Clause' },
    conjunction: 'and',
    right: { license: 'MIT' } } }

assert.deepEqual(
  parse('(LGPL-2.1 OR BSD-3-Clause AND MIT)'),
  firstAST)

var secondAST = {
  left: { license: 'MIT' },
  conjunction: 'and',
  right: {
    left: {
      license: 'LGPL-2.1',
      plus: true },
    conjunction: 'and',
    right: { license: 'BSD-3-Clause' } } }

assert.deepEqual(
  parse('(MIT AND (LGPL-2.1+ AND BSD-3-Clause))'),
  secondAST)

```

// We handle all the bare SPDX license and exception ids as well.

```

require('spdx-license-ids').forEach(function(id) {
  assert.deepEqual(
    parse(id),
    { license: id })
  require('spdx-exceptions').forEach(function(e) {
    assert.deepEqual(
      parse(id + ' WITH ' + e),
      { license: id, exception: e }) }) })

```

[The Software Package Data Exchange (SPDX) specification](<http://spdx.org>) is the work of the [Linux Foundation](<http://www.linuxfoundation.org>) and its contributors, and is licensed under the terms of [the Creative Commons Attribution License 3.0 Unported (SPDX: "CC-BY-3.0")](<http://spdx.org/licenses/CC-BY-3.0>). "SPDX" is a United States federally registered trademark of the Linux Foundation.

```

var spdxparse=function(){var o=function(k,v,o,l){for(o=o||{ },l=k.length;l--;o[k[l]]=v);return o},$V0=[1,5],$V1=[1,6],$V2=[1,7],$V3=[1,4],$V4=[1,9],$V5=[1,10],$V6=[5,14,15,17],$V7=[5,12,14,15,17];var parser={trace:function trace(){},yy:{ },symbols_:{ error:2,start:3,expression:4,EOS:5,simpleExpression:6,LICENSE:7,PLUS:8,LICENSER EF:9,DOCUMENTREF:10,COLON:11,WITH:12,EXCEPTION:13,AND:14,OR:15,OPEN:16,CLOSE:17,$accept:0

```

```

,$end:1},terminals_: {2:"error",5:"EOS",7:"LICENSE",8:"PLUS",9:"LICENSEREF",10:"DOCUMENTREF",11:"C
OLON",12:"WITH",13:"EXCEPTION",14:"AND",15:"OR",16:"OPEN",17:"CLOSE"},productions_: [0,[3,2],[6,1],[
6,2],[6,1],[6,3],[4,1],[4,3],[4,3],[4,3],[4,3]],performAction:function
anonymous(yytext,yyleng,yylineno,yy,yystate,$$,$_){var $0=$$.length-1;switch(yystate){case 1:return
this.$=$$[$0-1];break;case 2:case 4:case 5:this.$={license:yytext};break;case 3:this.$={license:$[$0-
1],plus:true};break;case 6:this.$=$$[$0];break;case 7:this.$={exception:$[$0]};this$.license=$$[$0-
2].license;if($$[$0-2].hasOwnProperty("plus")){this$.plus=$$[$0-2].plus}break;case
8:this.$={conjunction:"and",left:$[$0-2],right:$[$0]};break;case 9:this.$={conjunction:"or",left:$[$0-
2],right:$[$0]};break;case 10:this.$=$$[$0-
1];break}},table: [{3:1,4:2,6:3,7:$V0,9:$V1,10:$V2,16:$V3},{1:[3]},{5:[1,8],14:$V4,15:$V5},o($V6,[2,6]},{12:[1,1
1]}),{4:12,6:3,7:$V0,9:$V1,10:$V2,16:$V3},o($V7,[2,2]},{8:[1,13]}),o($V7,[2,4]},{11:[1,14]},{1:[2,1]},{4:15,6:3,7
:$V0,9:$V1,10:$V2,16:$V3},{4:16,6:3,7:$V0,9:$V1,10:$V2,16:$V3},{13:[1,17]},{14:$V4,15:$V5,17:[1,18]},o($
V7,[2,3]},{9:[1,19]},o($V6,[2,8]),o([5,15,17],[2,9]},{14:$V4}),o($V6,[2,7]),o($V6,[2,10]),o($V7,[2,5])],defaultActi
ons: {8:[2,1]},parseError:function parseError(str,hash){if(hash.recoverable){this.trace(str)}else{throw new
Error(str)}},parse:function parse(input){var
self=this,stack=[0],tstack=[],vstack=[null],lstack=[],table=this.table,yytext="",yylineno=0,yyleng=0,recovering=0,T
ERROR=2,EOF=1;var args=lstack.slice.call(arguments,1);var lexer=Object.create(this.lexer);var
sharedState={yy:{}};for(var k in
this.yy){if(Object.prototype.hasOwnProperty.call(this.yy,k)){sharedState.yy[k]=this.yy[k]}}lexer.setInput(input,sha
redState.yy);sharedState.yy.lexer=lexer;sharedState.yy.parser=this;if(typeof
lexer.yylloc=="undefined"){lexer.yylloc={}}var yyloc=lexer.yylloc;lstack.push(yyloc);var
ranges=lexer.options&&lexer.options.ranges;if(typeof
sharedState.yy.parseError=="function"){this.parseError=sharedState.yy.parseError}else{this.parseError=Object.ge
tPrototypeOf(this).parseError}function popStack(n){stack.length=stack.length-2*n;vstack.length=vstack.length-
n;lstack.length=lstack.length-n}_token_stack:function lex(){var token;token=lexer.lex()||EOF;if(typeof
token!="number"){token=self.symbols_[token]||token}return token}var
symbol,preErrorSymbol,state,action,a,r,yyval={},p,len,newState,expected;while(true){state=stack[stack.length-
1];if(this.defaultActions[state]){action=this.defaultActions[state]}else{if(symbol===null||typeof
symbol=="undefined"){symbol=lex()}action=table[state]&&table[state][symbol]}if(typeof
action=="undefined"||!action.length||!action[0]){var errStr="";expected=[];for(p in
table[state]){if(this.terminals_[p]&&p>TERROR){expected.push(""+this.terminals_[p]+"")}if(lexer.showPosition
){errStr="Parse error on line "+(yylineno+1)+"\n"+lexer.showPosition()+"\nExpecting "+expected.join(",")+
", got "+(this.terminals_[symbol]||symbol)+""}else{errStr="Parse error on line "+(yylineno+1)+"\nUnexpected
"+(symbol==EOF?"end of
input":""+(this.terminals_[symbol]||symbol)+"")}this.parseError(errStr,{text:lexer.match,token:this.terminals_[sym
bol]||symbol,line:lexer.yylineno,loc:yyloc,expected:expected})}if(action[0]instanceof
Array&&action.length>1){throw new Error("Parse Error: multiple actions possible at state: "+state+", token:
"+symbol)}switch(action[0]){case
1:stack.push(symbol);vstack.push(lexer.yytext);lstack.push(lexer.yylloc);stack.push(action[1]);symbol=null;if(!preE
rrorSymbol){yyleng=lexer.yyleng;yytext=lexer.yytext;yylineno=lexer.yylineno;yyloc=lexer.yylloc;if(recovering>0)
{recovering--}}else{symbol=preErrorSymbol;preErrorSymbol=null}break;case
2:len=this.productions_[action[1]][1];yyval.$=vstack[vstack.length-len];yyval._$={first_line:lstack[lstack.length-
(len|1)].first_line,last_line:lstack[lstack.length-1].last_line,first_column:lstack[lstack.length-
(len|1)].first_column,last_column:lstack[lstack.length-
1].last_column};if(ranges){yyval._$.range=[lstack[lstack.length-(len|1)].range[0],lstack[lstack.length-
1].range[1]]}r=this.performAction.apply(yyval,[yytext,yyleng,yylineno,sharedState.yy,action[1],vstack,lstack].conc
at(args));if(typeof r!="undefined"){return r}if(len){stack=stack.slice(0,-1*len*2);vstack=vstack.slice(0,-
1*len);lstack=lstack.slice(0,-

```

```

1*len) } stack.push(this.productions_[action[1]][0]);vstack.push(yyval.$);lstack.push(yyval._$);newState=table[stack
[stack.length-2]][stack[stack.length-1]];stack.push(newState);break;case 3:return true } return true } };var
lexer=function(){ var lexer={ EOF:1,parseError:function
parseError(str,hash){ if(this.yy.parser){ this.yy.parser.parseError(str,hash) } else { throw new
Error(str) } },setInput:function(input,yy){ this.yy=yy||this.yy||{ };this._input=input;this._more=this._backtrack=this.do
ne=false;this.yylineno=this.yyleng=0;this.yytext=this.matched=this.match="";this.conditionStack=["INITIAL"];this.
yylloc={ first_line:1,first_column:0,last_line:1,last_column:0};if(this.options.ranges){ this.yylloc.range=[0,0] } this.of
fset=0;return this },input:function(){ var
ch=this._input[0];this.yytext+=ch;this.yyleng++;this.offset++;this.match+=ch;this.matched+=ch;var
lines=ch.match(/(?:\r\n?|\n).*/g);if(lines){ this.yylineno++;this.yylloc.last_line++ } else { this.yylloc.last_column++ } if(
this.options.ranges){ this.yylloc.range[1]++ } this._input=this._input.slice(1);return ch },unput:function(ch){ var
len=ch.length;var
lines=ch.split(/(?:\r\n?|\n)/g);this._input=ch+this._input;this.yytext=this.yytext.substr(0,this.yytext.length-
len);this.offset-=len;var oldLines=this.match.split(/(?:\r\n?|\n)/g);this.match=this.match.substr(0,this.match.length-
1);this.matched=this.matched.substr(0,this.matched.length-1);if(lines.length-1){ this.yylineno-=lines.length-1 } var
r=this.yylloc.range;this.yylloc={ first_line:this.yylloc.first_line,last_line:this.yylineno+1,first_column:this.yylloc.firs
t_column,last_column:lines?(lines.length===oldLines.length?this.yylloc.first_column:0)+oldLines[oldLines.length-
lines.length].length-lines[0].length:this.yylloc.first_column-
len };if(this.options.ranges){ this.yylloc.range=[r[0],r[0]+this.yyleng-len] } this.yyleng=this.yytext.length;return
this },more:function(){ this._more=true;return
this },reject:function(){ if(this.options.backtrack_lexer){ this._backtrack=true } else { return this.parseError("Lexical
error on line "+(this.yylineno+1)+" . You can only invoke reject() in the lexer when the lexer is of the backtracking
persuasion (options.backtrack_lexer = true).\n"+this.showPosition(),{ text:"",token:null,line:this.yylineno }) } return
this },less:function(n){ this.unput(this.match.slice(n)) },pastInput:function(){ var
past=this.matched.substr(0,this.matched.length-this.match.length);return(past.length>20?"...":"" )+past.substr(-
20).replace(/\n/g,""),upcomingInput:function(){ var
next=this.match;if(next.length<20){ next+=this._input.substr(0,20-
next.length) } return(next.substr(0,20)+(next.length>20?"...":"" ).replace(/\n/g,"")),showPosition:function(){ var
pre=this.pastInput();var c=new Array(pre.length+1).join("-");return
pre+this.upcomingInput()+"\n"+c+"^"},test_match:function(match,indexed_rule){ var
token,lines,backup;if(this.options.backtrack_lexer){ backup={ yylineno:this.yylineno,yylloc: { first_line:this.yylloc.fir
st_line,last_line:this.last_line,first_column:this.yylloc.first_column,last_column:this.yylloc.last_column },yytext:this
.yytext,match:this.match,matches:this.matches,matched:this.matched,yyleng:this.yyleng,offset:this.offset,_more:this
._more,_input:this._input,yy:this.yy,conditionStack:this.conditionStack.slice(0),done:this.done };if(this.options.range
s){ backup.yylloc.range=this.yylloc.range.slice(0) } lines=match[0].match(/(?:\r\n?|\n).*/g);if(lines){ this.yylineno+=l
ines.length } this.yylloc={ first_line:this.yylloc.last_line,last_line:this.yylineno+1,first_column:this.yylloc.last_colum
n,last_column:lines?lines[lines.length-1].length-lines[lines.length-
1].match(/r?\n?/)[0].length:this.yylloc.last_column+match[0].length } ;this.yytext+=match[0];this.match+=match[0];
this.matches=match;this.yyleng=this.yytext.length;if(this.options.ranges){ this.yylloc.range=[this.offset,this.offset+=
this.yyleng] } this._more=false;this._backtrack=false;this._input=this._input.slice(match[0].length);this.matched+=m
atch[0];token=this.performAction.call(this,this.yy,this,indexed_rule,this.conditionStack[this.conditionStack.length-
1]);if(this.done&&this._input){ this.done=false } if(token){ return token } else if(this._backtrack){ for(var k in
backup){ this[k]=backup[k] } return false } return false },next:function(){ if(this.done){ return
this.EOF } if(!this._input){ this.done=true } var
token,match,tempMatch,index;if(!this._more){ this.yytext="";this.match="" } var rules=this._currentRules();for(var
i=0;i<rules.length;i++){ tempMatch=this._input.match(this.rules[rules[i]]);if(tempMatch&&(!match||tempMatch[0].l
ength>match[0].length)){ match=tempMatch;index=i;if(this.options.backtrack_lexer){ token=this.test_match(tempM
atch,rules[i]);if(token!==false){ return token } else if(this._backtrack){ match=false;continue } else { return false } } else

```

```

if(!this.options.flex){break}}if(match){token=this.test_match(match,rules[index]);if(token!==false){return
token}return false}if(this._input==="){return this.EOF}else{return this.parseError("Lexical error on line
"+(this.yylineno+1)+". Unrecognized
text.\n"+this.showPosition(),{text:"",token:null,line:this.yylineno})}},lex:function lex(){var
r=this.next();if(r){return r}else{return this.lex()}},begin:function
begin(condition){this.conditionStack.push(condition)},popState:function popState(){var
n=this.conditionStack.length-1;if(n>0){return this.conditionStack.pop()}else{return
this.conditionStack[0]}},_currentRules:function
_currentRules(){if(this.conditionStack.length&&this.conditionStack[this.conditionStack.length-1]){return
this.conditions[this.conditionStack[this.conditionStack.length-1]].rules}else{return
this.conditions["INITIAL"].rules}},topState:function topState(n){n=this.conditionStack.length-1-
Math.abs(n||0);if(n>=0){return this.conditionStack[n]}else{return"INITIAL"}},pushState:function
pushState(condition){this.begin(condition)},stateStackSize:function stateStackSize(){return
this.conditionStack.length},options:{},performAction:function
anonymous(yy,yy_,$avoiding_name_collisions,YY_START){var
YYSTATE=YY_START;switch($avoiding_name_collisions){case 0:return 5;break;case 1:break;case 2:return
8;break;case 3:return 16;break;case 4:return 17;break;case 5:return 11;break;case 6:return 10;break;case 7:return
9;break;case 8:return 14;break;case 9:return 15;break;case 10:return 12;break;case 11:return 7;break;case 12:return
7;break;case 13:return 7;break;case 14:return 13;break;case 15:return 13;break;case 16:return 13;break;case
17:return 13;break;case 18:return 13;break;case 19:return 13;break;case 20:return 13;break;case 21:return
13;break;case 22:return 7;break;case 23:return 7;break;case 24:return 13;break;case 25:return 13;break;case
26:return 13;break;case 27:return 7;break;case 28:return 13;break;case 29:return 13;break;case 30:return
13;break;case 31:return 7;break;case 32:return 7;break;case 33:return 13;break;case 34:return 13;break;case
35:return 13;break;case 36:return 7;break;case 37:return 13;break;case 38:return 7;break;case 39:return 7;break;case
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45:return 7;break;case 46:return 7;break;case 47:return 7;break;case 48:return 7;break;case 49:return 7;break;case
50:return 7;break;case 51:return 13;break;case 52:return 7;break;case 53:return 7;break;case 54:return 7;break;case
55:return 13;break;case 56:return 7;break;case 57:return 7;break;case 58:return 7;break;case 59:return 13;break;case
60:return 7;break;case 61:return 13;break;case 62:return 7;break;case 63:return 7;break;case 64:return 7;break;case
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127:return 7;break;case 128:return 7;break;case 129:return 7;break;case 130:return 7;break;case 131:return
7;break;case 132:return 7;break;case 133:return 7;break;case 134:return 7;break;case 135:return 7;break;case
136:return 7;break;case 137:return 7;break;case 138:return 7;break;case 139:return 7;break;case 140:return
7;break;case 141:return 7;break;case 142:return 7;break;case 143:return 7;break;case 144:return 7;break;case
145:return 7;break;case 146:return 7;break;case 147:return 7;break;case 148:return 7;break;case 149:return
7;break;case 150:return 7;break;case 151:return 7;break;case 152:return 7;break;case 153:return 7;break;case

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154:return 7;break;case 155:return 7;break;case 156:return 7;break;case 157:return 7;break;case 158:return 7;break;case 159:return 7;break;case 160:return 7;break;case 161:return 7;break;case 162:return 7;break;case 163:return 7;break;case 164:return 7;break;case 165:return 7;break;case 166:return 7;break;case 167:return 7;break;case 168:return 7;break;case 169:return 7;break;case 170:return 7;break;case 171:return 7;break;case 172:return 7;break;case 173:return 7;break;case 174:return 7;break;case 175:return 7;break;case 176:return 7;break;case 177:return 7;break;case 178:return 7;break;case 179:return 7;break;case 180:return 7;break;case 181:return 7;break;case 182:return 7;break;case 183:return 7;break;case 184:return 7;break;case 185:return 7;break;case 186:return 7;break;case 187:return 7;break;case 188:return 7;break;case 189:return 7;break;case 190:return 7;break;case 191:return 7;break;case 192:return 7;break;case 193:return 7;break;case 194:return 7;break;case 195:return 7;break;case 196:return 7;break;case 197:return 7;break;case 198:return 7;break;case 199:return 7;break;case 200:return 7;break;case 201:return 7;break;case 202:return 7;break;case 203:return 7;break;case 204:return 7;break;case 205:return 7;break;case 206:return 7;break;case 207:return 7;break;case 208:return 7;break;case 209:return 7;break;case 210:return 7;break;case 211:return 7;break;case 212:return 7;break;case 213:return 7;break;case 214:return 7;break;case 215:return 7;break;case 216:return 7;break;case 217:return 7;break;case 218:return 7;break;case 219:return 7;break;case 220:return 7;break;case 221:return 7;break;case 222:return 7;break;case 223:return 7;break;case 224:return 7;break;case 225:return 7;break;case 226:return 7;break;case 227:return 7;break;case 228:return 7;break;case 229:return 7;break;case 230:return 7;break;case 231:return 7;break;case 232:return 7;break;case 233:return 7;break;case 234:return 7;break;case 235:return 7;break;case 236:return 7;break;case 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7;break;case 279:return 7;break;case 280:return 7;break;case 281:return 7;break;case 282:return 7;break;case 283:return 7;break;case 284:return 7;break;case 285:return 7;break;case 286:return 7;break;case 287:return 7;break;case 288:return 7;break;case 289:return 7;break;case 290:return 7;break;case 291:return 7;break;case 292:return 7;break;case 293:return 7;break;case 294:return 7;break;case 295:return 7;break;case 296:return 7;break;case 297:return 7;break;case 298:return 7;break;case 299:return 7;break;case 300:return 7;break;case 301:return 7;break;case 302:return 7;break;case 303:return 7;break;case 304:return 7;break;case 305:return 7;break;case 306:return 7;break;case 307:return 7;break;case 308:return 7;break;case 309:return 7;break;case 310:return 7;break;case 311:return 7;break;case 312:return 7;break;case 313:return 7;break;case 314:return 7;break;case 315:return 7;break;case 316:return 7;break;case 317:return 7;break;case 318:return 7;break;case 319:return 7;break;case 320:return 7;break;case 321:return 7;break;case 322:return 7;break;case 323:return 7;break;case 324:return 7;break;case 325:return 7;break;case 326:return 7;break;case 327:return 7;break;case 328:return 7;break;case 329:return 7;break;case 330:return 7;break;case 331:return 7;break;case 332:return 7;break;case 333:return 7;break;case 334:return 7;break;case 335:return 7;break;case 336:return 7;break;case 337:return 7;break;case 338:return 7;break } } ,rules:[/^(?.\$)/, /^(?.s+)/, /^(?.+)/, /^(?.()/, /^(?.\)/, /^(?.:)/, /^(?.DocumentRef-([0-9A-Za-z-+.])+)/, /^(?.LicenseRef-([0-9A-Za-z-+.])+)/, /^(?.AND)/, /^(?.OR)/, /^(?.WITH)/, /^(?.MPL-2.0-no-copyleft-exception)/, /^(?.CNRI-Python-GPL-Compatible)/, /^(?.BSD-3-Clause-Attribution)/, /^(?.WxWindows-exception-3\1)/, /^(?.Classpath-exception-2\0)/, /^(?.gnu-javamail-exception)/, /^(?.freertos-exception-2\0)/, /^(?.i2p-gpl-java-exception)/, /^(?.Autoconf-exception-2\0)/, /^(?.Nokia-Qt-exception-1\1)/, /^(?.Autoconf-exception-3\0)/, 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(?:0BSD)/,/^(:Ruby)/,/^(:JSON)/,/^(:MTLL)/,/^(:Cube)/,/^(:Zlib)/,/^(:NCSA)/,/^(:TOSL)/,/^(:Xnet)/,/^(:D
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lexer});parser.lexer=lexer;function Parser(){this.yy={}}Parser.prototype=parser;parser.Parser=Parser;return new
Parser}();if(typeof require!=="undefined"&&typeof
exports!=="undefined"){exports.parser=spdxparse;exports.Parser=spdxparse.Parser;exports.parse=function(){return
spdxparse.parse.apply(spdxparse,arguments)};exports.main=function
commonjsMain(args){if(!args[1]){console.log("Usage: "+args[0]+" FILE");process.exit(1)}var
source=require("fs").readFileSync(require("path").normalize(args[1]),"utf8");return
exports.parser.parse(source)};if(typeof
module!=="undefined"&&require.main===module){exports.main(process.argv.slice(1))}}
var parse = require('spdx-expression-parse');
var correct = require('spdx-correct');

var genericWarning = (
  'license should be ' +
  'a valid SPDX license expression (without "LicenseRef"), ' +
  '"UNLICENSED", or ' +
  '"SEE LICENSE IN <filename>"
);

var fileReferenceRE = /^SEE LICEN[CS]E IN (.+)$/;

function startsWith(prefix, string) {
  return string.slice(0, prefix.length) === prefix;
}

function usesLicenseRef(ast) {
  if (ast.hasOwnProperty('license')) {
    var license = ast.license;
    return (
      startsWith('LicenseRef', license) ||
      startsWith('DocumentRef', license)
    );
  } else {

```

```

return (
  usesLicenseRef(ast.left) ||
  usesLicenseRef(ast.right)
);
}
}

module.exports = function(argument) {
  var ast;

  try {
    ast = parse(argument);
  } catch (e) {
    var match
    if (
      argument === 'UNLICENSED' ||
      argument === 'UNLICENCED'
    ) {
      return {
        validForOldPackages: true,
        validForNewPackages: true,
        unlicensed: true
      };
    } else if (match = fileReferenceRE.exec(argument)) {
      return {
        validForOldPackages: true,
        validForNewPackages: true,
        inFile: match[1]
      };
    } else {
      var result = {
        validForOldPackages: false,
        validForNewPackages: false,
        warnings: [genericWarning]
      };
      var corrected = correct(argument);
      if (corrected) {
        result.warnings.push(
          'license is similar to the valid expression "' + corrected + '"'
        );
      }
      return result;
    }
  }

  if (usesLicenseRef(ast)) {
    return {
      validForNewPackages: false,

```

```

    validForOldPackages: false,
    spdx: true,
    warnings: [genericWarning]
  };
} else {
  return {
    validForNewPackages: true,
    validForOldPackages: true,
    spdx: true
  };
}
};
{
  "name": "validate-npm-package-license",
  "description": "Give me a string and I'll tell you if it's a valid npm package license string",
  "version": "3.0.1",
  "author": {
    "name": "Kyle E. Mitchell",
    "email": "kyle@kemitchell.com",
    "url": "https://kemitchell.com"
  },
  "dependencies": {
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    "spdx-expression-parse": "~1.0.0"
  },
  "devDependencies": {
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    "replace-require-self": "^1.0.0"
  },
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    "npm",
    "package",
    "validation"
  ],
  "license": "Apache-2.0",
  "repository": {
    "type": "git",
    "url": "git+https://github.com/kemitchell/validate-npm-package-license.js.git"
  },
  "scripts": {
    "test": "defence README.md | replace-require-self | node"
  },
  "gitHead": "00200d28f9960985f221bc1a8a71e4760daf39bf",
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  "homepage": "https://github.com/kemitchell/validate-npm-package-license.js#readme",

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"_nodeVersion": "0.12.7",
"_npmUser": {
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  "email": "kyle@kemitchell.com"
},
"dist": {
  "shasum": "2804babe712ad3379459acfbe24746ab2c303fbc",
  "tarball": "http://registry.npmjs.org/validate-npm-package-license/-/validate-npm-package-license-3.0.1.tgz"
},
"maintainers": [
  {
    "name": "kemitchell",
    "email": "kyle@kemitchell.com"
  },
  {
    "name": "othiym23",
    "email": "ogd@aoaiioxxysz.net"
  }
],
"directories": {},
"_resolved": "https://registry.npmjs.org/validate-npm-package-license/-/validate-npm-package-license-3.0.1.tgz",
"readme": "ERROR: No README data found!"
}
validate-npm-package-license
=====

```

Give me a string and I'll tell you if it's a valid npm package license string.

```

```javascript
var valid = require('validate-npm-package-license');
```

```

SPDX license identifiers are valid license strings:

```

```javascript
var assert = require('assert');
var validSPDXExpression = {
 validForNewPackages: true,
 validForOldPackages: true,
 spdx: true
};

assert.deepEqual(valid('MIT'), validSPDXExpression);

```

```
assert.deepEqual(valid('BSD-2-Clause'), validSPDXExpression);
assert.deepEqual(valid('Apache-2.0'), validSPDXExpression);
assert.deepEqual(valid('ISC'), validSPDXExpression);
...

```

The function will return a warning and suggestion for nearly-correct license identifiers:

```
```javascript
assert.deepEqual(
  valid('Apache 2.0'),
  {
    validForOldPackages: false,
    validForNewPackages: false,
    warnings: [
      'license should be ' +
      'a valid SPDX license expression (without "LicenseRef"), ' +
      "'UNLICENSED', or ' +
      "'SEE LICENSE IN <filename>",
      'license is similar to the valid expression "Apache-2.0"'
    ]
  }
);
...

```

SPDX expressions are valid, too ...

```
```javascript
// Simple SPDX license expression for dual licensing
assert.deepEqual(
 valid('(GPL-3.0 OR BSD-2-Clause)'),
 validSPDXExpression
);
...

```

... except if they contain `LicenseRef`:

```
```javascript
var warningAboutLicenseRef = {
  validForOldPackages: false,
  validForNewPackages: false,
  spdx: true,
  warnings: [
    'license should be ' +
    'a valid SPDX license expression (without "LicenseRef"), ' +
    "'UNLICENSED', or ' +
    "'SEE LICENSE IN <filename>",
  ]
};

```

```

assert.deepEqual(
  valid('LicenseRef-Made-Up'),
  warningAboutLicenseRef
);

assert.deepEqual(
  valid('(MIT OR LicenseRef-Made-Up)'),
  warningAboutLicenseRef
);
```

```

If you can't describe your licensing terms with standardized SPDX identifiers, put the terms in a file in the package and point users there:

```

```javascript
assert.deepEqual(
  valid('SEE LICENSE IN LICENSE.txt'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'LICENSE.txt'
  }
);

assert.deepEqual(
  valid('SEE LICENSE IN license.md'),
  {
    validForNewPackages: true,
    validForOldPackages: true,
    inFile: 'license.md'
  }
);
```

```

If there aren't any licensing terms, use `UNLICENSED`:

```

```javascript
var unlicensed = {
  validForNewPackages: true,
  validForOldPackages: true,
  unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENSED'), unlicensed);
```

```

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### 1.0.2



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## 4.154 printThis.js 1.2

## 4.155 promise-as3 Legacy

## 4.156 python pyparsing 2.2.0

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## 4.158 reflections 0.9.10

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## 4.159 sbli-cim-client2 2.2.4

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## 4.161 scala-stm\_2.10 0.7

## 4.162 scalalogging-slf4j 1.1.0

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## 4.163 scalaz-core\_2.10 7.0.6

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<http://tmorris.net/>

-----BEGIN PGP PUBLIC KEY BLOCK-----

Version: GnuPG v1.4.6 (GNU/Linux)

```
mQGIBETNyC0RBAC3MYSZSbDZhBLKra2YUphB9OO6+qMFI/v2Lq8590ZfeE2WjIOu
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```

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-----END PGP PUBLIC KEY BLOCK-----

Runar Bjarnason

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-----BEGIN PGP PUBLIC KEY BLOCK-----

Version: PGP Key Server 0.9.6

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-----END PGP PUBLIC KEY BLOCK-----

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Version: GnuPG v1.2.4 (Darwin)

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=BwVm  
-----END PGP PUBLIC KEY BLOCK-----

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## **4.164 scaposer\_2.10 1.7**

## **4.165 scrooge-core\_2.10 3.13.2**

## **4.166 scrooge-runtime\_2.10 3.13.2**

## 4.167 scrooge-serializer\_2.10 3.13.2

## 4.168 serializer 2.7.2

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 */
/*
 * $Id: Version.src 1225426 2011-12-29 04:13:08Z mrglavas $
 */
package org.apache.xalan;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.
 * <P>This class implements the upcoming standard of having
 * org.apache.project-name.Version.getVersion() be a standard way
 * to get version information. This class will replace the older
 * org.apache.xalan.processor.Version class.</P>
 * <P>See also: org/apache/xalan/res/XSLTInfo.properties for
 * information about the version of the XSLT spec we support.</P>
 * @xsl.usage general
 */
public class Version
{

/**
 * Get the basic version string for the current Xalan release.
 * Version String formatted like
```



```

* <CODE>"Xalan Java v.r[.dd| Dnn]"</CODE>.
*
* Futurework: have this read version info from jar manifest.
*
* @return String denoting our current version
*/
public static String getVersion()
{
 return getProduct()+" "+getImplementationLanguage()+" "
 +getMajorVersionNum()+". "+getReleaseVersionNum()+". "
 +((getDevelopmentVersionNum() > 0) ?
 ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum()));
}

/**
 * Print the processor version to the command line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
 System.out.println(getVersion());
}

/**
 * Name of product: Xalan.
 */
public static String getProduct()
{
 return "Xalan";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
 return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 * significant, externally apparent enhancement from
 * the previous release. 'n' represents the n'th
 * version.
 */

```

```
* Clients should carefully consider the implications
* of new versions as external interfaces and behaviour
* may have changed.
*/
```

```
public static int getMajorVersionNum()
{
 return @version.VERSION@;
}
```

```
/**
```

```
* Release Number.
* Release number. This changes when:
* - a new set of functionality is to be added, eg,
* implementation of a new W3C specification.
* - API or behaviour change.
* - its designated as a reference release.
*/
```

```
public static int getReleaseVersionNum()
{
 return @version.RELEASE@;
}
```

```
/**
```

```
* Maintenance Drop Number.
* Optional identifier used to designate maintenance
* drop applied to a specific release and contains
* fixes for defects reported. It maintains compatibility
* with the release and contains no API changes.
* When missing, it designates the final and complete
* development drop for a release.
*/
```

```
public static int getMaintenanceVersionNum()
{
 return @version.MINOR@;
}
```

```
/**
```

```
* Development Drop Number.
* Optional identifier designates development drop of
* a specific release. D01 is the first development drop
* of a new release.
*
* Development drops are works in progress towards a
* completed, final release. A specific development drop
* may not completely implement all aspects of a new
* feature, which may take several development drops to
* complete. At the point of the final drop for the
```

```

* release, the D suffix will be omitted.
*
* Each 'D' drops can contain functional enhancements as
* well as defect fixes. 'D' drops may not be as stable as
* the final releases.
*/
public static int getDevelopmentVersionNum()
{
 try {
 if ((new String("@version.DEVELOPER@")).length() == 0)
 return 0;
 else
 return Integer.parseInt("@version.DEVELOPER@");
 } catch (NumberFormatException nfe) {
 return 0;
 }
}
}
}

```

## 4.169 servlet-api 2.5

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\*/

package org.slf4j;

import org.slf4j.helpers.BasicMarkerFactory;

```

import org.slf4j.helpers.Util;
import org.slf4j.impl.StaticMarkerBinder;

/**
 * MarkerFactory is a utility class producing {@link Marker} instances as
 * appropriate for the logging system currently in use.
 *
 * <p>
 * This class is essentially implemented as a wrapper around an
 * {@link IMarkerFactory} instance bound at compile time.
 *
 * <p>
 * Please note that all methods in this class are static.
 *
 * @author Ceki Gülcü
 */
public class MarkerFactory {
 static IMarkerFactory markerFactory;

 private MarkerFactory() {
 }

 static {
 try {
 markerFactory = StaticMarkerBinder.SINGLETON.getMarkerFactory();
 } catch (NoClassDefFoundError e) {
 markerFactory = new BasicMarkerFactory();
 } catch (Exception e) {
 // we should never get here
 Util.report("Unexpected failure while binding MarkerFactory", e);
 }
 }

 /**
 * Return a Marker instance as specified by the name parameter using the
 * previously bound {@link IMarkerFactory} instance.
 *
 * @param name
 * The name of the {@link Marker} object to return.
 * @return marker
 */
 public static Marker getMarker(String name) {
 return markerFactory.getMarker(name);
 }

 /**
 * Create a marker which is detached (even at birth) from the MarkerFactory.

```

```

*
* @param name the name of the marker
* @return a dangling marker
* @since 1.5.1
*/
public static Marker getDetachedMarker(String name) {
 return markerFactory.getDetachedMarker(name);
}

/**
* Return the {@link IMarkerFactory} instance in use.
*
* <p>The IMarkerFactory instance is usually bound with this class at
* compile time.
*
* @return the IMarkerFactory instance in use
*/
public static IMarkerFactory getIMarkerFactory() {
 return markerFactory;
}
}

```

## 4.171 slf4j-api 1.7.2

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- \*/

```

cat snakeyaml-1.12-sources/org/yaml/snakeyaml/external/biz/base64Coder/Base64Coder.java
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written by James Hacker.
```

```
signature of Ty Coon, 1 April 1989
Ty Coon, President of Vice
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/\* Stax2 API extension for Streaming API for XML processing (StAX).

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## 4.200 vjjava 5.5.0.8sp

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```
/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class NotEnoughLicenses extends RuntimeException {
}
/*=====
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```

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```

```
/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */
```

```
@SuppressWarnings("all")
```

```

public class InvalidEditionLicense extends NotEnoughLicenses {
 public String feature;

 public String getFeature() {
 return this.feature;
 }

 public void setFeature(String feature) {
 this.feature=feature;
 }
}

```

```

/*=====
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```

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```

=====*/

```

```

package com.vmware.vim25;

```

```

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

```

```
@SuppressWarnings("all")
public class ExpiredEditionLicense extends ExpiredFeatureLicense {
}
```

```
/*=====
```

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```
=====*/
```

```
package com.vmware.vim25;
```

```
/**
```

```
* @author Steve Jin (http://www.doublecloud.org)
```

```
* @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
public class ExpiredAddonLicense extends ExpiredFeatureLicense {
}
```

```
/*=====
```

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```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
 */
```

```
@SuppressWarnings("all")
```

```
public class Permission extends DynamicData {
```

```
 public ManagedObjectReference entity;
```

```
 public String principal;
```

```
 public boolean group;
```

```
 public int roleId;
```

```
 public boolean propagate;
```

```
 public ManagedObjectReference getEntity() {
```

```
 return this.entity;
```

```
 }
```

```
 public String getPrincipal() {
```

```

 return this.principal;
}

public boolean isGroup() {
 return this.group;
}

public int getRoleId() {
 return this.roleId;
}

public boolean isPropagate() {
 return this.propagate;
}

public void setEntity(ManagedObjectReference entity) {
 this.entity=entity;
}

public void setPrincipal(String principal) {
 this.principal=principal;
}

public void setGroup(boolean group) {
 this.group=group;
}

public void setRoleId(int roleId) {
 this.roleId=roleId;
}

public void setPropagate(boolean propagate) {
 this.propagate=propagate;
}
}
}

```

```

/*=====

```

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=====\*/

```
package com.vmware.vim25;
```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
 */
```

```
@SuppressWarnings("all")
```

```
public class VmLimitLicense extends NotEnoughLicenses {
 public int limit;
```

```
 public int getLimit() {
 return this.limit;
 }
```

```
 public void setLimit(int limit) {
 this.limit=limit;
 }
```

```
}
```

```
/*=====
```

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=====\*/

```
package com.vmware.vim25;
```

```
/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */
```

```
@SuppressWarnings("all")
public class VramLimitLicense extends NotEnoughLicenses {
 public int limit;

 public int getLimit() {
 return this.limit;
 }

 public void setLimit(int limit) {
 this.limit=limit;
 }
}
```

```
/*=====
```

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=====\*/

```
package com.vmware.vim25;
import java.util.Calendar;
```

```
/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */
```

```
@SuppressWarnings("all")
public class ExpiredFeatureLicense extends NotEnoughLicenses {
 public String feature;
 public int count;
 public Calendar expirationDate;

 public String getFeature() {
 return this.feature;
 }

 public int getCount() {
 return this.count;
 }

 public Calendar getExpirationDate() {
 return this.expirationDate;
 }
}
```

```
public void setFeature(String feature) {
 this.feature=feature;
}

public void setCount(int count) {
 this.count=count;
}

public void setExpirationDate(Calendar expirationDate) {
 this.expirationDate=expirationDate;
}
}
}
/*=====
```

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=====\*/

```
package com.vmware.vim25;
```

```
/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
```

\*/

```
@SuppressWarnings("all")
public class InvalidLicense extends VimFault {
 public String licenseContent;

 public String getLicenseContent() {
 return this.licenseContent;
 }

 public void setLicenseContent(String licenseContent) {
 this.licenseContent=licenseContent;
 }
}
```

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# 4.201 vim25 5.5

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```
=====*/
```

```
package com.vmware.vim25;
import java.util.Calendar;
```

```
/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */
```

```
@SuppressWarnings("all")
public class ExpiredFeatureLicense extends NotEnoughLicenses {
 public String feature;
 public int count;
 public Calendar expirationDate;
```

```

public String getFeature() {
 return this.feature;
}

public int getCount() {
 return this.count;
}

public Calendar getExpirationDate() {
 return this.expirationDate;
}

public void setFeature(String feature) {
 this.feature=feature;
}

public void setCount(int count) {
 this.count=count;
}

public void setExpirationDate(Calendar expirationDate) {
 this.expirationDate=expirationDate;
}
}
/*=====

```

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=====\*/

```
package com.vmware.vim25;
```

```
/**
```

```
* @author Steve Jin (http://www.doublecloud.org)
```

```
* @version 5.1
```

```
*/
```

```
@SuppressWarnings("all")
```

```
public class ExpiredAddonLicense extends ExpiredFeatureLicense {
```

```
}
```

```
/*=====
```

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=====\*/

```
package com.vmware.vim25;
```

```

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class VmLimitLicense extends NotEnoughLicenses {
 public int limit;

 public int getLimit() {
 return this.limit;
 }

 public void setLimit(int limit) {
 this.limit=limit;
 }
}

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=====*/

package com.vmware.vim25;

```



```

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class VramLimitLicense extends NotEnoughLicenses {
 public int limit;

 public int getLimit() {
 return this.limit;
 }

 public void setLimit(int limit) {
 this.limit=limit;
 }
}

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=====*/

```

```

package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class Permission extends DynamicData {
 public ManagedObjectReference entity;
 public String principal;
 public boolean group;
 public int roleId;
 public boolean propagate;

 public ManagedObjectReference getEntity() {
 return this.entity;
 }

 public String getPrincipal() {
 return this.principal;
 }

 public boolean isGroup() {
 return this.group;
 }

 public int getRoleId() {
 return this.roleId;
 }

 public boolean isPropagate() {
 return this.propagate;
 }

 public void setEntity(ManagedObjectReference entity) {
 this.entity=entity;
 }

 public void setPrincipal(String principal) {
 this.principal=principal;
 }

 public void setGroup(boolean group) {
 this.group=group;
 }

 public void setRoleId(int roleId) {

```

```

 this.roleId=roleId;
}

public void setPropagate(boolean propagate) {
 this.propagate=propagate;
}
}
/*=====
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ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.
=====*/

package com.vmware.vim25;

/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */

@SuppressWarnings("all")
public class NotEnoughLicenses extends RuntimeFault {
}

```

/\*-----

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=====\*/

```
package com.vmware.vim25;
```

```
/**
```

```
 * @author Steve Jin (http://www.doublecloud.org)
```

```
 * @version 5.1
```

```
 */
```

```
@SuppressWarnings("all")
```

```
public class InvalidLicense extends VimFault {
 public String licenseContent;
```

```
 public String getLicenseContent() {
 return this.licenseContent;
 }
```

```
 public void setLicenseContent(String licenseContent) {
 this.licenseContent=licenseContent;
 }
```

```
}
/*=====
```

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```
=====*/
```

```
package com.vmware.vim25;
```

```
/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */
```

```
@SuppressWarnings("all")
public class InvalidEditionLicense extends NotEnoughLicenses {
 public String feature;

 public String getFeature() {
 return this.feature;
 }

 public void setFeature(String feature) {
 this.feature=feature;
 }
}
```

```
}
}
/*=====
```

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```
=====*/
```

```
package com.vmware.vim25;
```

```
/**
 * @author Steve Jin (http://www.doublecloud.org)
 * @version 5.1
 */
```

```
@SuppressWarnings("all")
public class ExpiredEditionLicense extends ExpiredFeatureLicense {
}
```

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## 4.202 winrm4j 0.5.0

## 4.203 winrm4j-client 0.5.0

## 4.204 winrm4j-service 0.5.0

## 4.205 Woodstox 4.4.1

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# 4.206 wsd14j 1.6.3

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## 5.3 Ansible 2.2.1.0

### 5.3.1 Available under license :

This package was debianized by Henry Graham (hzgraham) <Henry.Graham@mail.wvu.edu> on Tue, 17 Apr 2012 12:19:47 -0400.

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 */
```

```
package org.apache.cxf.io;
```

```
import java.io.IOException;
import java.io.InputStream;
```

```
/**
 * Marker interface for OutputStreams that can directly support
 * copying from an input stream. OutputStreams that maintain their
 * own byte buffer or similar may be able to optimize the copy
 * instead of using the read/write into a temporary buffer that
 * the normal IOUtils.copy method requires.
 */
```

```
public interface CopyingOutputStream {

 int copyFrom(InputStream in) throws IOException;

}
```

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```

```
*/
```

```
package org.apache.cxf.rs.security.oauth2.common;
```

```
import java.io.Serializable;
```

```
import javax.persistence.Id;
```

```
import javax.persistence.MappedSuperclass;
```

```
import javax.persistence.Transient;
```

```
/**
```

```
 * Base permission description
```

```
 * @see OAuthAuthorizationData
```

```
*/
```

```
@MappedSuperclass
```

```
public class Permission implements Serializable {
```

```
 private static final long serialVersionUID = 8988574955042726083L;
```

```
 private String permission;
```

```
 private String description;
```

```
 private boolean isDefaultPermission;
```

```
 private boolean invisibleToClient;
```

```
 public Permission() {
```

```
 }
```

```
 public Permission(String permission, String description) {
```

```
 this.description = description;
```

```
 this.permission = permission;
```

```
 }
```

```
/**
```

```
 * Gets the permission description
```

```
 * @return the description
```

```
*/
```

```
 public String getDescription() {
```

```
 return description;
```

```
 }
```

```
/**
```

```
 * Sets the permission description
```

```
 * @param description
```

```
*/
```

```
 public void setDescription(String description) {
```

```

 this.description = description;
 }

 /**
 * Get the permission value such as "read_calendar"
 * @return the value
 */
 @Id
 public String getPermission() {
 return permission;
 }

 /**
 * Sets the permission value such as "read_calendar"
 * @param permission the permission value
 */
 public void setPermission(String permission) {
 this.permission = permission;
 }

 /**
 * Indicates if this permission has been allocated by default or not.
 * Authorization View handlers may use this property to optimize the way the user selects the
 * scopes.
 * For example, assume that read, 'add' and 'update' scopes are supported and the
 * 'read' scope is always allocated. This can be presented at the UI level as follows:
 * the read-only check-box control will represent a 'read' scope and a user will be able to
 * optionally select 'add' and/or 'update' scopes, in addition to the default 'read' one.
 * @param isDefault true if the permission has been allocated by default
 */
 public void setDefaultPermission(boolean value) {
 this.isDefaultPermission = value;
 }

 public boolean isDefaultPermission() {
 return isDefaultPermission;
 }

 @Deprecated
 @Transient
 public boolean isDefault() {
 return isDefaultPermission;
 }

 public boolean isInvisibleToClient() {
 return invisibleToClient;
 }

```

```

/**
 * Set the visibility status; by default all the scopes approved by a user can
 * be optionally reported to the client in access token responses. Some scopes may need
 * to stay 'invisible' to client.
 * @param invisibleToClient
 */
public void setInvisibleToClient(boolean invisibleToClient) {
 this.invisibleToClient = invisibleToClient;
}

@Override
public boolean equals(Object object) {
 if (!(object instanceof Permission)) {
 return false;
 }

 Permission that = (Permission)object;
 if (!this.getPermission().equals(that.getPermission())) {
 return false;
 }
 if (this.getDescription() != null && that.getDescription() == null
 || this.getDescription() == null && that.getDescription() != null
 || this.getDescription() != null && !this.getDescription().equals(that.getDescription())) {
 return false;
 }
 if (this.isInvisibleToClient() != that.isInvisibleToClient() //NOPMD
 || this.isDefaultPermission() != that.isDefaultPermission()) { //NOPMD
 return false;
 }

 return true;
}

@Override
public int hashCode() {
 int hashCode = getPermission().hashCode();
 if (getDescription() != null) {
 hashCode = 31 * hashCode + getDescription().hashCode();
 }
 hashCode = 31 * hashCode + Boolean.valueOf(isInvisibleToClient()).hashCode();
 hashCode = 31 * hashCode + Boolean.valueOf(isDefaultPermission()).hashCode();

 return hashCode;
}
}
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*/
package org.apache.cxf.rs.security.oauth.data;
```

```
/**
 * Base permission description which is visible to
 * authorization handlers
 * @see OAuthAuthorizationData
 */
public class Permission {
 private String permission;
 private String description;
 private boolean isDefault;

 public Permission() {

 }

 public Permission(String permission, String description) {
 this.description = description;
 this.permission = permission;
 }

 public String getDescription() {
 return description;
 }

 public void setDescription(String description) {
 this.description = description;
 }

 public String getPermission() {
 return permission;
 }
}
```

```

public void setPermission(String permission) {
 this.permission = permission;
}

/**
 * Indicates that this permission has been allocated by default.
 * Authorization View handlers may use this property in order to restrict
 * the list of scopes which may be refused to non-default scopes only
 * @param isDefault
 */
public void setDefault(boolean value) {
 this.isDefault = value;
}

public boolean isDefault() {
 return isDefault;
}
}

```

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Math.uuid.js (v1.4)
http://www.broofa.com
mailto:robert@broofa.com
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 tab-interval: 0.5in;
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 margin-bottom: 0.5em;
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</style>

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```

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```

```
#foreach ($license in $project.licenses)
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```

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$project.name #if ($project.url)($project.url)#end $project.artifact
```

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```

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- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
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- javaee\_web\_services\_client\_1\_3.xsd
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- web-app\_3\_0.xsd
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- javaee\_5.xsd
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- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
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- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
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- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- javaee\_web\_services\_client\_1\_3.xsd
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<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

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An "Application" is any work that makes use of an interface provided

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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.)

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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:

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

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

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

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

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

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

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

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

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

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

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

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

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

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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.

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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

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

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Software Foundation and other authors who decide to use it. You can use  
it too, but we suggest you first think carefully about whether this  
license or the ordinary General Public License is the better strategy to  
use in any particular case, based on the explanations below.

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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.

@iftex

@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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@item

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.

@item

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.

@item

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

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@item

The modified work must itself be a software library.

@item

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

@item

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

@item

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

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

@end enumerate

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

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

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

@item

You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify

that version instead if you wish.) Do not make any other change in these notices.

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

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

@item

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

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

@item

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

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

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

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

work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

@item

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

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

@enumerate a

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

@item

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

@item

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

@item

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

@item

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

@end enumerate

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

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

@item

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

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

@item

Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining

where to find the accompanying uncombined form of the same work.

@end enumerate

@item

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



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

@item

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@heading END OF TERMS AND CONDITIONS

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@center END OF TERMS AND CONDITIONS

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@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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

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

@smallexample

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

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.

@end smallexample

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

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

@smallexample

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

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

Ty Coon, President of Vice

@end smallexample

That's all there is to it!

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

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.

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

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

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

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

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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.

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That's all there is to it!  
(This file is under construction.) -\*- text -\*-

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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## 5.23 boost 1.46.1

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## 5.41 functools32 3.2.3.post2 :py2.7

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes

1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
3.2.2	3.2.1	2011	PSF	yes
3.2.3	3.2.2	2012	PSF	yes

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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## 5.42 gdb 7.4-2012.04-0ubuntu2.1

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

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

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

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

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

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

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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.

```
#!/usr/bin/env python
```

```
"""copyright.py
```

This script updates most of the files that are not already handled  
by copyright.sh. It must be run from the gdb/ subdirectory of the  
GDB source tree.



```

"""

import datetime
import re
import os
import os.path

class Comment(object):
 """A class describing comment.

 ATTRIBUTES
 start: A string describing how comments are started.
 stop: A string describing how comments end. If None, then
 a comment ends at the end of the line.
 start2: Some files accept more than 1 kind of comment.
 For those that do, this is the alternative form.
 For now, it is assumed that if start2 is not None,
 then stop is None (thus no stop2 attribute).
 """

 def __init__(self, start, stop=None, start2=None, max_lines=30):
 """The "Copyright" keyword should be within MAX_LINES lines
 from the start of the file."""
 self.start = start
 self.stop = stop
 self.start2 = start2
 self.max_lines = max_lines

The Comment object for Ada code (and GPR files).
ADA_COMMENT = Comment(start="--")

THIS_YEAR = str(datetime.date.today().year)

Files which should not be modified, either because they are
generated, non-FSF, or otherwise special (e.g. license text,
or test cases which must be sensitive to line numbering).
EXCLUSION_LIST = (
 "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c", "gdbarch.c",
 "gdbarch.h", "fdl.texi", "gpl.texi", "gdbtk", "gdb.gdbtk", "osf-share",
 "aclocal.m4", "step-line.inp", "step-line.c",
)

Files that are too different from the rest to be processed automatically.
BY_HAND = ['./sim/ppc/psim.texinfo']

Files for which we know that they do not have a copyright header.
Ideally, this list should be empty (but it may not be possible to
add a copyright header in some of them).
NO_COPYRIGHT = (

```

```

Configure files. We should fix those, one day.
"testsuite/gdb.cell/configure.ac", "testsuite/gdb.hp/configure.ac",
"testsuite/gdb.hp/gdb.aCC/configure.ac",
"testsuite/gdb.hp/gdb.base-hp/configure.ac",
"testsuite/gdb.hp/gdb.compat/configure.ac",
"testsuite/gdb.hp/gdb.defects/configure.ac",
"testsuite/gdb.hp/gdb.objdbg/configure.ac",
"testsuite/gdb.stabs/configure.ac",
"./sim/arm/configure.ac", "./sim/avr/configure.ac",
"./sim/common/configure.ac", "./sim/configure.ac",
"./sim/cr16/configure.ac", "./sim/cris/configure.ac",
"./sim/d10v/configure.ac", "./sim/erc32/configure.ac",
"./sim/frv/configure.ac", "./sim/h8300/configure.ac",
"./sim/igen/configure.ac", "./sim/iq2000/configure.ac",
"./sim/lm32/configure.ac", "./sim/m32r/configure.ac",
"./sim/m68hc11/configure.ac", "./sim/mcore/configure.ac",
"./sim/microblaze/configure.ac", "./sim/mips/configure.ac",
"./sim/mn10300/configure.ac", "./sim/moxie/configure.ac",
"./sim/ppc/configure.ac", "./sim/sh/configure.ac",
"./sim/sh64/configure.ac", "./sim/testsuite/configure.ac",
"./sim/testsuite/d10v-elf/configure.ac",
"./sim/testsuite/frv-elf/configure.ac",
"./sim/testsuite/m32r-elf/configure.ac",
"./sim/testsuite/mips64el-elf/configure.ac", "./sim/v850/configure.ac",
Assembly files. It's not certain that we can add a copyright
header in a way that works for all platforms supported by the
testcase...
"testsuite/gdb.arch/pa-nullify.s", "testsuite/gdb.arch/pa64-nullify.s",
"testsuite/gdb.asm/asmsrc1.s", "testsuite/gdb.asm/asmsrc2.s",
"testsuite/gdb.disasm/am33.s", "testsuite/gdb.disasm/h8300s.s",
"testsuite/gdb.disasm/hppa.s", "testsuite/gdb.disasm/mn10200.s",
"testsuite/gdb.disasm/mn10300.s", "testsuite/gdb.disasm/sh3.s",
"testsuite/gdb.disasm/t01_mov.s", "testsuite/gdb.disasm/t02_mova.s",
"testsuite/gdb.disasm/t03_add.s", "testsuite/gdb.disasm/t04_sub.s",
"testsuite/gdb.disasm/t05_cmp.s", "testsuite/gdb.disasm/t06_ari2.s",
"testsuite/gdb.disasm/t07_ari3.s", "testsuite/gdb.disasm/t08_or.s",
"testsuite/gdb.disasm/t09_xor.s", "testsuite/gdb.disasm/t10_and.s",
"testsuite/gdb.disasm/t11_logs.s", "testsuite/gdb.disasm/t12_bit.s",
"testsuite/gdb.disasm/t13_otr.s", "testsuite/gdb.hp/gdb.base-hp/reg-pa64.s",
"testsuite/gdb.hp/gdb.base-hp/reg.s",
"./sim/testsuite/d10v-elf/exit47.s",
"./sim/testsuite/d10v-elf/hello.s",
"./sim/testsuite/d10v-elf/loop.s",
"./sim/testsuite/d10v-elf/t-ae-ld-d.s",
"./sim/testsuite/d10v-elf/t-ae-ld-i.s",
"./sim/testsuite/d10v-elf/t-ae-ld-id.s",
"./sim/testsuite/d10v-elf/t-ae-ld-im.s",
"./sim/testsuite/d10v-elf/t-ae-ld-ip.s",

```

"/sim/testsuite/d10v-elf/t-ae-ld2w-d.s",  
"/sim/testsuite/d10v-elf/t-ae-ld2w-i.s",  
"/sim/testsuite/d10v-elf/t-ae-ld2w-id.s",  
"/sim/testsuite/d10v-elf/t-ae-ld2w-im.s",  
"/sim/testsuite/d10v-elf/t-ae-ld2w-ip.s",  
"/sim/testsuite/d10v-elf/t-ae-st-d.s",  
"/sim/testsuite/d10v-elf/t-ae-st-i.s",  
"/sim/testsuite/d10v-elf/t-ae-st-id.s",  
"/sim/testsuite/d10v-elf/t-ae-st-im.s",  
"/sim/testsuite/d10v-elf/t-ae-st-ip.s",  
"/sim/testsuite/d10v-elf/t-ae-st-is.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-d.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-i.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-id.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-im.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-ip.s",  
"/sim/testsuite/d10v-elf/t-ae-st2w-is.s",  
"/sim/testsuite/d10v-elf/t-dbt.s",  
"/sim/testsuite/d10v-elf/t-ld-st.s",  
"/sim/testsuite/d10v-elf/t-mac.s",  
"/sim/testsuite/d10v-elf/t-mod-ld-pre.s",  
"/sim/testsuite/d10v-elf/t-msbu.s",  
"/sim/testsuite/d10v-elf/t-mulxu.s",  
"/sim/testsuite/d10v-elf/t-mvtac.s",  
"/sim/testsuite/d10v-elf/t-mvvc.s",  
"/sim/testsuite/d10v-elf/t-rac.s",  
"/sim/testsuite/d10v-elf/t-rachi.s",  
"/sim/testsuite/d10v-elf/t-rdt.s",  
"/sim/testsuite/d10v-elf/t-rep.s",  
"/sim/testsuite/d10v-elf/t-rie-xx.s",  
"/sim/testsuite/d10v-elf/t-rte.s",  
"/sim/testsuite/d10v-elf/t-sac.s",  
"/sim/testsuite/d10v-elf/t-sachi.s",  
"/sim/testsuite/d10v-elf/t-sadd.s",  
"/sim/testsuite/d10v-elf/t-slae.s",  
"/sim/testsuite/d10v-elf/t-sp.s",  
"/sim/testsuite/d10v-elf/t-sub.s",  
"/sim/testsuite/d10v-elf/t-sub2w.s",  
"/sim/testsuite/d10v-elf/t-subi.s",  
"/sim/testsuite/d10v-elf/t-trap.s",  
"/sim/testsuite/frv-elf/cache.s",  
"/sim/testsuite/frv-elf/exit47.s",  
"/sim/testsuite/frv-elf/grloop.s",  
"/sim/testsuite/frv-elf/hello.s",  
"/sim/testsuite/frv-elf/loop.s",  
"/sim/testsuite/m32r-elf/exit47.s",  
"/sim/testsuite/m32r-elf/hello.s",  
"/sim/testsuite/m32r-elf/loop.s",

"/sim/testsuite/sim/cris/hw/rv-n-cris/quit.s",  
"/sim/testsuite/sim/h8300/addb.s",  
"/sim/testsuite/sim/h8300/addl.s",  
"/sim/testsuite/sim/h8300/adds.s",  
"/sim/testsuite/sim/h8300/addw.s",  
"/sim/testsuite/sim/h8300/addx.s",  
"/sim/testsuite/sim/h8300/andb.s",  
"/sim/testsuite/sim/h8300/andl.s",  
"/sim/testsuite/sim/h8300/andw.s",  
"/sim/testsuite/sim/h8300/band.s",  
"/sim/testsuite/sim/h8300/bfld.s",  
"/sim/testsuite/sim/h8300/biand.s",  
"/sim/testsuite/sim/h8300/bra.s",  
"/sim/testsuite/sim/h8300/brabc.s",  
"/sim/testsuite/sim/h8300/bset.s",  
"/sim/testsuite/sim/h8300/cmpb.s",  
"/sim/testsuite/sim/h8300/cmpl.s",  
"/sim/testsuite/sim/h8300/cmpw.s",  
"/sim/testsuite/sim/h8300/daa.s",  
"/sim/testsuite/sim/h8300/das.s",  
"/sim/testsuite/sim/h8300/dec.s",  
"/sim/testsuite/sim/h8300/div.s",  
"/sim/testsuite/sim/h8300/extl.s",  
"/sim/testsuite/sim/h8300/extw.s",  
"/sim/testsuite/sim/h8300/inc.s",  
"/sim/testsuite/sim/h8300/jmp.s",  
"/sim/testsuite/sim/h8300/ldc.s",  
"/sim/testsuite/sim/h8300/ldm.s",  
"/sim/testsuite/sim/h8300/mac.s",  
"/sim/testsuite/sim/h8300/mova.s",  
"/sim/testsuite/sim/h8300/movb.s",  
"/sim/testsuite/sim/h8300/movl.s",  
"/sim/testsuite/sim/h8300/movmd.s",  
"/sim/testsuite/sim/h8300/movsd.s",  
"/sim/testsuite/sim/h8300/movw.s",  
"/sim/testsuite/sim/h8300/mul.s",  
"/sim/testsuite/sim/h8300/neg.s",  
"/sim/testsuite/sim/h8300/nop.s",  
"/sim/testsuite/sim/h8300/not.s",  
"/sim/testsuite/sim/h8300/orb.s",  
"/sim/testsuite/sim/h8300/orl.s",  
"/sim/testsuite/sim/h8300/orw.s",  
"/sim/testsuite/sim/h8300/rotl.s",  
"/sim/testsuite/sim/h8300/rotr.s",  
"/sim/testsuite/sim/h8300/rotxl.s",  
"/sim/testsuite/sim/h8300/rotxr.s",  
"/sim/testsuite/sim/h8300/shal.s",  
"/sim/testsuite/sim/h8300/shar.s",

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"/sim/testsuite/sim/h8300/shlr.s",  
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"/sim/testsuite/sim/h8300/stc.s",  
"/sim/testsuite/sim/h8300/subb.s",  
"/sim/testsuite/sim/h8300/subl.s",  
"/sim/testsuite/sim/h8300/subs.s",  
"/sim/testsuite/sim/h8300/subw.s",  
"/sim/testsuite/sim/h8300/subx.s",  
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"/sim/testsuite/sim/mips/fpu64-ps.s",  
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"/sim/testsuite/sim/mips/hilo-hazard-2.s",  
"/sim/testsuite/sim/mips/hilo-hazard-3.s",  
"/sim/testsuite/sim/mips/mdmx-ob-sb1.s",  
"/sim/testsuite/sim/mips/mdmx-ob.s",  
"/sim/testsuite/sim/mips/mips32-dsp.s",  
"/sim/testsuite/sim/mips/mips32-dsp2.s",  
"/sim/testsuite/sim/mips/sanity.s",  
"/sim/testsuite/sim/sh/add.s",  
"/sim/testsuite/sim/sh/and.s",  
"/sim/testsuite/sim/sh/bandor.s",  
"/sim/testsuite/sim/sh/bandornot.s",  
"/sim/testsuite/sim/sh/bclr.s",  
"/sim/testsuite/sim/sh/bld.s",  
"/sim/testsuite/sim/sh/bldnot.s",  
"/sim/testsuite/sim/sh/bset.s",  
"/sim/testsuite/sim/sh/bst.s",  
"/sim/testsuite/sim/sh/bxor.s",  
"/sim/testsuite/sim/sh/clip.s",  
"/sim/testsuite/sim/sh/div.s",  
"/sim/testsuite/sim/sh/dmxy.s",  
"/sim/testsuite/sim/sh/fabs.s",  
"/sim/testsuite/sim/sh/fadd.s",  
"/sim/testsuite/sim/sh/fail.s",  
"/sim/testsuite/sim/sh/fcmpeq.s",  
"/sim/testsuite/sim/sh/fcmpgt.s",  
"/sim/testsuite/sim/sh/fcnvds.s",  
"/sim/testsuite/sim/sh/fcnvds.s",  
"/sim/testsuite/sim/sh/fdiv.s",  
"/sim/testsuite/sim/sh/fipr.s",  
"/sim/testsuite/sim/sh/fldi0.s",  
"/sim/testsuite/sim/sh/fldi1.s",  
"/sim/testsuite/sim/sh/flds.s",

"/sim/testsuite/sim/sh/float.s",  
"/sim/testsuite/sim/sh/fmac.s",  
"/sim/testsuite/sim/sh/fmov.s",  
"/sim/testsuite/sim/sh/fmul.s",  
"/sim/testsuite/sim/sh/fneg.s",  
"/sim/testsuite/sim/sh/fpchg.s",  
"/sim/testsuite/sim/sh/frchg.s",  
"/sim/testsuite/sim/sh/fsca.s",  
"/sim/testsuite/sim/sh/fschg.s",  
"/sim/testsuite/sim/sh/fsqrt.s",  
"/sim/testsuite/sim/sh/fsrra.s",  
"/sim/testsuite/sim/sh/fsub.s",  
"/sim/testsuite/sim/sh/ftrc.s",  
"/sim/testsuite/sim/sh/ldrc.s",  
"/sim/testsuite/sim/sh/loop.s",  
"/sim/testsuite/sim/sh/macl.s",  
"/sim/testsuite/sim/sh/macw.s",  
"/sim/testsuite/sim/sh/mov.s",  
"/sim/testsuite/sim/sh/movi.s",  
"/sim/testsuite/sim/sh/movli.s",  
"/sim/testsuite/sim/sh/movua.s",  
"/sim/testsuite/sim/sh/movxy.s",  
"/sim/testsuite/sim/sh/mulr.s",  
"/sim/testsuite/sim/sh/pabs.s",  
"/sim/testsuite/sim/sh/padd.s",  
"/sim/testsuite/sim/sh/paddc.s",  
"/sim/testsuite/sim/sh/pand.s",  
"/sim/testsuite/sim/sh/pass.s",  
"/sim/testsuite/sim/sh/pclr.s",  
"/sim/testsuite/sim/sh/pdec.s",  
"/sim/testsuite/sim/sh/pdmsb.s",  
"/sim/testsuite/sim/sh/pinc.s",  
"/sim/testsuite/sim/sh/pmuls.s",  
"/sim/testsuite/sim/sh/prnd.s",  
"/sim/testsuite/sim/sh/pshai.s",  
"/sim/testsuite/sim/sh/pshar.s",  
"/sim/testsuite/sim/sh/pshli.s",  
"/sim/testsuite/sim/sh/pshlr.s",  
"/sim/testsuite/sim/sh/psub.s",  
"/sim/testsuite/sim/sh/pswap.s",  
"/sim/testsuite/sim/sh/pushpop.s",  
"/sim/testsuite/sim/sh/resbank.s",  
"/sim/testsuite/sim/sh/sett.s",  
"/sim/testsuite/sim/sh/shll.s",  
"/sim/testsuite/sim/sh/shll16.s",  
"/sim/testsuite/sim/sh/shll2.s",  
"/sim/testsuite/sim/sh/shll8.s",  
"/sim/testsuite/sim/sh/shlr.s",

```

"/sim/testsuite/sim/sh/shlr16.s",
"/sim/testsuite/sim/sh/shlr2.s",
"/sim/testsuite/sim/sh/shlr8.s",
"/sim/testsuite/sim/sh/swap.s",
"/sim/testsuite/sim/sh64/misc/fr-dr.s",
.inc files. These are usually assembly or C files...
"testsuite/gdb.asm/alpha.inc",
"testsuite/gdb.asm/arm.inc",
"testsuite/gdb.asm/common.inc",
"testsuite/gdb.asm/empty.inc",
"testsuite/gdb.asm/frv.inc",
"testsuite/gdb.asm/h8300.inc",
"testsuite/gdb.asm/i386.inc",
"testsuite/gdb.asm/ia64.inc",
"testsuite/gdb.asm/iq2000.inc",
"testsuite/gdb.asm/m32c.inc",
"testsuite/gdb.asm/m32r-linux.inc",
"testsuite/gdb.asm/m32r.inc",
"testsuite/gdb.asm/m68hc11.inc",
"testsuite/gdb.asm/m68k.inc",
"testsuite/gdb.asm/mips.inc",
"testsuite/gdb.asm/netbsd.inc",
"testsuite/gdb.asm/openbsd.inc",
"testsuite/gdb.asm/pa.inc",
"testsuite/gdb.asm/pa64.inc",
"testsuite/gdb.asm/powerpc.inc",
"testsuite/gdb.asm/powerpc64.inc",
"testsuite/gdb.asm/s390.inc",
"testsuite/gdb.asm/s390x.inc",
"testsuite/gdb.asm/sh.inc",
"testsuite/gdb.asm/sparc.inc",
"testsuite/gdb.asm/sparc64.inc",
"testsuite/gdb.asm/spu.inc",
"testsuite/gdb.asm/v850.inc",
"testsuite/gdb.asm/x86_64.inc",
"testsuite/gdb.asm/xstormy16.inc",
"/sim/testsuite/sim/arm/iwmmxt/testutils.inc",
"/sim/testsuite/sim/arm/testutils.inc",
"/sim/testsuite/sim/arm/thumb/testutils.inc",
"/sim/testsuite/sim/arm/xscale/testutils.inc",
"/sim/testsuite/sim/cr16/testutils.inc",
"/sim/testsuite/sim/cris/asm/testutils.inc",
"/sim/testsuite/sim/cris/hw/rv-n-cris/testutils.inc",
"/sim/testsuite/sim/fr30/testutils.inc",
"/sim/testsuite/sim/frv/testutils.inc",
"/sim/testsuite/sim/h8300/testutils.inc",
"/sim/testsuite/sim/m32r/testutils.inc",
"/sim/testsuite/sim/sh/testutils.inc",

```

```

"./sim/testsuite/sim/sh64/compact/testutils.inc",
"./sim/testsuite/sim/sh64/media/testutils.inc",
"./sim/testsuite/sim/v850/testutils.inc",
)

A mapping between file extensions to their associated Comment object.
This dictionary also contains a number of exceptions, based on
filename.
COMMENT_MAP = \
{ ".1" : Comment(start=r'\.'),
 ".ac" : Comment(start="dnl", start2="#"),
 ".ads" : ADA_COMMENT,
 ".adb" : ADA_COMMENT,
 ".f" : Comment(start="c"),
 ".f90" : Comment(start="!"),
 ".gpr" : ADA_COMMENT,
 ".inc" : Comment(start="#", start2=";"),
 ".s" : Comment(start="!"),
 ".tex" : Comment(start="%"),
 ".texi" : Comment(start="@c"),
 ".texinfo" : Comment(start="@c"),

Files that use a different way of including the copyright
header...
"ada-operator.inc" : Comment(start="/*", stop="*/"),
"gd Bint.texinfo" : Comment(start='@copying', stop="@end copying"),
"annotate.texinfo" : Comment(start='@copying', stop="@end copying",
 max_lines=50),
"stabs.texinfo" : Comment(start='@copying', stop="@end copying"),
}

class NotFound(Exception):
 pass

class AlreadyDone(Exception):
 pass

def process_header(src, dst, cdescr):
 """Read from SRC for up to CDESCR.MAX_LINES until we find a copyright
 notice. If found, then write the entire file, with the copyright
 noticed updated with the current year added.

 Raises NotFound if the copyright notice could not be found or has
 some inconsistencies.

 Raises AlreadyDone if the copyright notice already includes the current
 year.
 """

```



```

line_count = 0
The start-of-comment marker used for this file. Only really useful
in the case where comments ends at the end of the line, as this
allows us to know which comment marker to use when breaking long
lines (in the cases where there are more than one.
cdescr_start = ""

while True:
 # If we still haven't found a copyright line within a certain
 # number of lines, then give up.
 if line_count > cdescr.max_lines:
 raise NotFound("start of Copyright not found")

 line = src.readline()
 line_count += 1
 if not line:
 raise NotFound("start of Copyright not found (EOF)")

 # Is this a copyright line? If not, then no transformation is
 # needed. Write it as is, and continue.
 if not re.search(r"Copyright\b.*\b(199\d|20\d\d)\b", line):
 dst.write(line)
 continue

 # If a start-of-comment marker is needed for every line, try to
 # figure out which one it is that is being used in this file (most
 # files only accept one, in which case it's easy - but some accept
 # two or more...).
 if cdescr.stop is None:
 stripped_line = line.lstrip()
 if stripped_line.startswith(cdescr.start):
 cdescr_start = cdescr.start
 elif (cdescr.start2 is not None
 and stripped_line.startswith(cdescr.start2)):
 cdescr_start = cdescr.start2
 elif cdescr.start in stripped_line:
 cdescr_start = cdescr.start
 elif (cdescr.start2 is not None
 and cdescr.start2 in stripped_line):
 cdescr_start = cdescr.start2
 else:
 # This can't be a line with a comment, so not the copyright
 # line we were looking for. Ignore.
 continue

 comment = line
 break

```

```

while not re.search(r"Free\s+Software\s+Foundation", comment):
 line = src.readline()
 line_count += 1
 if not line:
 raise NotFound("Copyright owner not found (EOF)")

 if cdescr.stop is None:
 # Expect a new comment marker at the start of each line
 line = line.lstrip()
 if not line.startswith(cdescr_start):
 raise NotFound("Copyright owner not found "
 "(end of comment)")
 comment += " " + line[len(cdescr_start):]
 else:
 if cdescr.stop in comment:
 raise NotFound("Copyright owner not found "
 "(end of comment)")
 comment += line

Normalize a bit the copyright string (we preserve the string
up until "Copyright", in order to help preserve any original
alignment.
(before, after) = comment.split("Copyright", 1)
after = after.replace("\n", " ")
after = re.sub("\s+", " ", after)
after = after.rstrip()

If the copyright year has already been added, the nothing else
to do.
if THIS_YEAR in after:
 raise AlreadyDone

m = re.match(".*[0-9]+(.*)", after)
if m is None:
 raise NotFound("Internal error - cannot split copyright line: "
 "%s" % comment)

Reconstruct the comment line
comment = before + "Copyright" + m.group(1) + ', %s' % THIS_YEAR
owner_part = m.group(2).lstrip()

Max comment len...
max_len = 76

If we have to break the copyright line into multiple lines,
we want to align all the lines on the "Copyright" keyword.
Create a small "indent" string that we can use for that.
if cdescr.stop is None:

```

```

The comment marker is needed on every line, so put it at the
start of our "indent" string.
indent = cdescr_start + ' ' * (len(before) - len(cdescr_start))
else:
 indent = ' ' * len(before)

If the line is too long...
while len(comment) > max_len:
 # Split the line at the first space before max_len.
 space_index = comment[0:max_len].rfind(' ')
 if space_index < 0: # No space in the first max_len characters???
 # Split at the first space, then...
 space_index = comment.find(' ')
 if space_index < 0:
 # Still no space found. This is extremely unlikely, but
 # just pretend there is one at the end of the string.
 space_index = len(comment)

 # Write the first part of the string up until the space
 # we selected to break our line.
 dst.write(comment[:space_index] + '\n')

 # Strip the part of comment that we have finished printing.
 if space_index < len(comment):
 comment = comment[space_index + 1:]
 else:
 comment = ""

 # Prepend the "indent" string to make sure that we remain
 # aligned on the "Copyright" word.
 comment = indent + comment

And finally, write the rest of the last line... We want to write
"Free Software Foundation, Inc" on the same line, so handle this
with extra care.
dst.write(comment)
if len(comment) + 1 + len(owner_part) > max_len:
 dst.write('\n' + indent)
else:
 dst.write(' ')
dst.write(owner_part + '\n')

def comment_for_filename(filename):
 """Return the Comment object that best describes the given file.
 This a smart lookup of the COMMENT_MAP dictionary where we check
 for filename-based exceptions first, before looking up the comment
 by filename extension. """
 # First, consult the COMMENT_MAP using the filename, in case this

```

```

file needs special treatment.
basename = os.path.basename(filename)
if basename in COMMENT_MAP:
 return COMMENT_MAP[basename]
Not a special file. Check the file extension.
ext = os.path.splitext(filename)[1]
if ext in COMMENT_MAP:
 return COMMENT_MAP[ext]
Not a know extension either, return None.
return None

def process_file(filename):
 """Processes the given file.
 """
 cdescr = comment_for_filename(filename)
 if cdescr is None:
 # Either no filename extension, or not an extension that we
 # know how to handle.
 return

 dst_filename = filename + '.new'
 src = open(filename)
 dst = open(dst_filename, 'w')
 try:
 process_header(src, dst, cdescr)
 except AlreadyDone:
 print "+++ Already up to date: `%s'." % filename
 dst.close()
 os.unlink(dst_filename)
 if filename in NO_COPYRIGHT:
 # We expect the search for a copyright header to fail, and
 # yet we found one...
 print "Warning: `%s' should not be in NO_COPYRIGHT" % filename
 return
 except NotFound as inst:
 dst.close()
 os.unlink(dst_filename)
 if not filename in NO_COPYRIGHT:
 print "*** \033[31m%s\033[0m: %s" % (filename, inst)
 return

 if filename in NO_COPYRIGHT:
 # We expect the search for a copyright header to fail, and
 # yet we found one...
 print "Warning: `%s' should not be in NO_COPYRIGHT" % filename

 for line in src:
 dst.write(line)

```

```

src.close()
dst.close()
os.rename(dst_filename, filename)

if __name__ == "__main__":
 if not os.path.isfile("doc/gdb.texinfo"):
 print "Error: This script must be called from the gdb directory."
 for gdb_dir in ('.', './sim', './include/gdb'):
 for root, dirs, files in os.walk(gdb_dir):
 for filename in files:
 fullpath = os.path.join(root, filename)
 if fullpath.startswith('./'):
 fullpath = fullpath[2:]
 if filename not in EXCLUSION_LIST and fullpath not in BY_HAND:
 # Paths that start with './' are ugly, so strip that.
 # This also allows us to omit them in the NO_COPYRIGHT
 # list...
 process_file(fullpath)

 print
 print "\033[32mREMINDER: The following files must be updated by hand." \
 "\033[0m"
 for filename in BY_HAND:
 print " ", filename
BEGIN {
 FS="\ ";
 print "/* ==> Do not modify this file!! It is created automatically";
 print " by copying.awk. Modify copying.awk instead. <== */";
 print ""
 print "#include \"defs.h\""
 print "#include \"command.h\""
 print "#include \"gdbcmd.h\""
 print ""
 print "static void show_copying_command (char *, int);"
 print ""
 print "static void show_warranty_command (char *, int);"
 print ""
 print "void _initialize_copying (void);"
 print ""
 print "extern int immediate_quit;"
 print "static void";
 print "show_copying_command (char *ignore, int from_tty)";
 print "{";
 print " immediate_quit++;";
}
NR == 1,/^[]*15\. Disclaimer of Warranty\.[]*$/ {
 if ($0 ~ //)
 {
 printf " printf_filtered (\\\"\\n\\");\n";
 }
}

```

```

}
else if ($0 !~ /^[]*15\. Disclaimer of Warranty\[]*$/)
{
 printf " printf_filtered (\\"";
 for (i = 1; i < NF; i++)
printf "%s\\", $i;
 printf "%s\\n\\");\n", $NF;
}
}
/^[]*15\. Disclaimer of Warranty\[]*$/ {
 print " immediate_quit--;";
 print "}";
 print "";
 print "static void";
 print "show_warranty_command (char *ignore, int from_tty)";
 print "{";
 print " immediate_quit++;";
}
/^[]*15\. Disclaimer of Warranty\[]*$/, /^[]*END OF TERMS AND CONDITIONS\[]*$/ {
 if (! ($0 ~ /^[]*END OF TERMS AND CONDITIONS\[]*$/))
 {
 printf " printf_filtered (\\"";
 for (i = 1; i < NF; i++)
printf "%s\\", $i;
 printf "%s\\n\\");\n", $NF;
 }
}
END {
 print " immediate_quit--;";
 print "}";
 print "";
 print "void"
 print "_initialize_copying (void)";
 print "{";
 print " add_cmd (\\"copying\\", no_class, show_copying_command, ";
 print " _(\\"Conditions for redistributing copies of GDB.\\"), ";
 print " &showlist);";
 print " add_cmd (\\"warranty\\", no_class, show_warranty_command, ";
 print " _(\\"Various kinds of warranty you do not have.\\"), ";
 print " &showlist);";
 print "";
 print " /* For old-timers, allow \\"info copying\\", etc. */";
 print " add_info (\\"copying\\", show_copying_command, ";
 print " _(\\"Conditions for redistributing copies of GDB.\\"));";
 print " add_info (\\"warranty\\", show_warranty_command, ";
 print " _(\\"Various kinds of warranty you do not have.\\"));";
 print "}";
}

```

@ignore  
@c Set file name and title for man page.  
@setfilename gpl  
@settitle GNU General Public License  
@c man begin SEEALSO  
gfdl(7), fsf-funding(7).  
@c man end  
@c man begin COPYRIGHT  
Copyright @copyright{ } 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

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

@c man end  
@end ignore  
@node Copying  
@c man begin DESCRIPTION  
@appendix GNU GENERAL PUBLIC LICENSE  
@c The GNU General Public License.  
@center Version 3, 29 June 2007

@c This file is intended to be included within another document,  
@c hence no sectioning command or @node.

@display  
Copyright @copyright{ } 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

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

@end display

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

@heading TERMS AND CONDITIONS



@enumerate 0

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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.

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

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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:

@enumerate a

@item

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

@item

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@item

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@end enumerate

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@enumerate a

@item

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the

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@item

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

@item

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@item

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

@item

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

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\*

\* As of 2010/06/11, this method is identical to the (package private) hash

\* method in OpenJDK 7's java.util.HashMap class.

\*/

/\*

\* Regarding newSetForMap() and SetFromMap:

\*

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# 5.45 httpclient 4.5.2

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Iperf performance test

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## 5.57 jackson-module-scala\_2.10 2.3.3

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888 8 888 .d88' Y888..8P
888 8 888ooo88P' `8888'
888 8 888 .8PY888.
`88. .8' 888 d8' `888b
`YbodP' o888o o888o o88888o
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What about fair use?

In limited situations, you can use copyrighted works without permission from the copyright holder. It can be difficult to figure out whether use of copyrighted works without permission is legal, though, because the laws in this area are often vague and vary from country to country.

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# 5.59 jaxb-impl 2.2.4

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## 5.71 jinja2 2.8

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## 5.72 Jna 3.2.7

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

```
This program is free software: you can redistribute it and/or modify
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the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.
```

```
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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/>.
```

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

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

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This package was debianized and maintained by  
Christoph Lameter <clameter@debian.org> on Thu, 6 Feb 1997 18:50:09 -0800  
Nicols Lichtmaier <nick@debian.org> on Sat, 5 Apr 1997 16:56:35 -0300  
Nol Kthe <noel@debian.org> since Sat, 14 Sep 2002 11:56:00 +0200

It was downloaded from

<http://ftp.yar.ru/lftp/>

Upstream Author: Alexander V. Lukyanov <lav@yars.free.net>

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</usr/share/common-licenses/GPL-3>

## 5.82 libcrack2 amd64:2.9.2-1

### 5.82.1 Available under license :

```

EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)

```

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec directly  
> and see if he wants to relicense his code as LGPL... but at this point,  
> it was enough to just get it consistent and documented as to what it was  
> released under. This wasn't actually a license change, just a  
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20  
GPL-2 ... it was a modified artistic license ... i didnt notice the license=  
=20  
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=  
eir=20  
applications are also GPL-2 which imo is just wrong. it isnt the place of =  
a=20  
library to dictact to application writes what license they should be using.=  
=20  
thus LGPL-2.1 enters to fill this void.  
=20Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro  
maintainers to get together with Alec in a conversation and come to a  
decision as to what licensing scheme y'all want. I haven't really done  
much other than cleaning up the packaging and patches and a small bit of  
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan  
=20

-----  
Nathan Neulinger EMail: nneul@um...  
University of Missouri - Rolla Phone: (573) 341-6679  
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----  
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger  
> Sent: Monday, October 01, 2007 8:33 PM  
> To: Neulinger, Nathan  
> Cc: cracklib-devel@li...; Alec Muffett  
> Subject: Re: [Cracklib-devel] cracklib license  
>=20  
> On Monday 01 October 2007, Neulinger, Nathan wrote:  
> > I understand that, and you're welcome to bring it up with Alec

> directly  
>> and see if he wants to relicense his code as LGPL... but at this  
> point,  
>> it was enough to just get it consistent and documented as to what  
> it was  
>> released under. This wasn't actually a license change, just a  
>> clarification of the licensing that was already in place.  
>=20  
> the original license (before moving to sourceforge -- aka, 2.7) was  
> not  
> GPL-2 ... it was a modified artistic license ... i didnt notice the  
> license  
> change until it was mentioned in the latest notes.  
>=20  
> unlike the old license, GPL-2 prevents people from using cracklib  
> unless their  
> applications are also GPL-2 which imo is just wrong. it isnt the  
> place of a  
> library to dictact to application writes what license they should  
> be using.  
> thus LGPL-2.1 enters to fill this void.  
> -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

> Seems like the ideal thing here would be for you and the other distro  
> maintainers to get together with Alec in a conversation and come to a  
> decision as to what licensing scheme y'all want. I haven't really done  
> much other than cleaning up the packaging and patches and a small  
> bit of  
> additional code, so whatever licensing y'all come up with is fine  
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be  
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I think it is in everyone's  
best interests to have as secure systems as possible, and I think tainting  
it via GPL will just make it less likely that the library gets used, and  
will not usually cause companies/developers to GPL the dependent code

(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin

--

If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>> Seems like the ideal thing here would be for you and the other distro  
>> maintainers to get together with Alec in a conversation and come to a  
>> decision as to what licensing scheme y'all want. I haven't really done  
>> much other than cleaning up the packaging and patches and a small  
>> bit of  
>> additional code, so whatever licensing y'all come up with is fine  
>> by me.  
>  
> I am sympathetic. Guys, what do you reckon?  
>  
> What I am hearing so far is that LGPL makes sense, since it can be  
> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

>>> Seems like the ideal thing here would be for you and the other distro  
>>> maintainers to get together with Alec in a conversation and come to a  
>>> decision as to what licensing scheme y'all want. I haven't really done  
>>> much other than cleaning up the packaging and patches and a small  
>>> bit of  
>>> additional code, so whatever licensing y'all come up with is fine  
>>> by me.  
>>  
>> I am sympathetic. Guys, what do you reckon?  
>>  
>> What I am hearing so far is that LGPL makes sense, since it can be  
>> linked with any code, not just GPL...  
>  
> My apologies for not chiming in in anything resembling a reasonable  
> timeframe.  
>  
> I'd also suggest the LGPL, for the reason you noted above. Alternately,  
> GPLv2 with the option of using the library under a later version of the  
> GPL would permit applications which were released under version 3 of the  
> GPL to use the library, too, which would be sufficient for the packages  
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.  
>  
> In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
the change now ?

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

>> In any case, I thank you both for working on sorting this out.

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

>>> In any case, I thank you both for working on sorting this out.

>>

>> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we  
>> make the change now ?  
>  
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...  
-mike

-----  
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.  
-----

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-----  
From alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:03 -0500  
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:02 -0500  
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000  
Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000  
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623  
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from [82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L



for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length: 585  
Lines: 21

>  
> ----- Forwarded message -----  
> From: Neulinger, Nathan <nneul@umr.edu>  
> Date: Sep 27, 2007 2:58 PM  
> Subject: RE: cracklib license  
> To: alecm@crypto.dircon.co.uk  
>  
> Any chance you could write me a self-contained email stating clearly  
> that the license is being changed to GPL, so I could include that  
> email  
> in the repository and clean up the repository/tarballs? I have all the  
> original discussion, but something succinct and self contained  
> would be  
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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Version 2.1, February 1999

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^L

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

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

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## 5.84 libjbig0 amd64:2.1-3.1+b2

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Source: <http://www.cl.cam.ac.uk/~mgk25/jbigkit/>

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## 5.93 logback-classic 1.1.1

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The full snowball package is available from  
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The KStem stemmer in  
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The Arabic,Persian,Romanian,Bulgarian, and Hindi analyzers (`contrib/analyzers`) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:  
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`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt`,  
`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt`,  
`contrib/analyzers/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt`  
See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (`common`) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

contrib/analyzers/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java  
contrib/analyzers/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java  
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The Stempel analyzer (contrib/analyzers) includes BSD-licensed software developed by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (contrib/analyzers) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in contrib/analyzers/stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See <http://project.carrot2.org/license.html>.

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### Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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This software includes a binary and/or source version of data from

mecab-ipadic-2.7.0-20070801

which can be obtained from

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#foreach ($license in $project.licenses)
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#set ($lf = $locator)
#set ($url = $license.url)
glass fish URL is now invalid, use a fixed one
#if ($url == "https://glassfish.dev.java.net/public/CDDLv1.0.html")
#set ($url = 'https://glassfish.java.net/public/CDDLv1.0.html')
#end
#if ($url)
#set ($licFile = 'lib/' + $artId + '.license')
#set ($downloaded = $lf.getResourceAsFile($url, "licenses/${licFile}"))
#end

$project.name #if ($project.url)($project.url)#end $project.artifact
License: $license.name #if ($url) $url ($licFile)#end

#end
#end
#end

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<!--

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<version>0.1</version>

</parent>

<groupId>org.apache.maven.its.mng3843.child</groupId>

<artifactId>child-2</artifactId>

<version>0.2</version>

<packaging>jar</packaging>

<licenses>

<license>

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<url>http://child.url/license</url>
<distribution>repo</distribution>
</license>
</licenses>
</project>
<?xml version="1.0" encoding="UTF-8"?>
```

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-->

```
<project>
<modelVersion>4.0.0</modelVersion>

<groupId>org.apache.maven.its.mng3843</groupId>
<artifactId>parent-1</artifactId>
<version>0.1</version>
<packaging>pom</packaging>
```

```
<licenses>
<license>
<name>parent-license</name>
<url>http://parent.url/license</url>
<distribution>repo</distribution>
</license>
</licenses>
```

```
</project>
<?xml version="1.0" encoding="UTF-8"?>
```

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-->

```
<project>
 <modelVersion>4.0.0</modelVersion>
```

<!--

While <contributors> are inherited, they are not aggregated, only the child elements are used.

-->

```
<parent>
 <groupId>org.apache.maven.its.mng3843</groupId>
 <artifactId>parent-1</artifactId>
 <version>0.1</version>
</parent>
```

```
<groupId>org.apache.maven.its.mng3843.child</groupId>
<artifactId>child-2</artifactId>
<version>0.2</version>
<packaging>jar</packaging>
```

```
<contributors>
 <contributor>
 <name>child-contributor</name>
 </contributor>
</contributors>
```

```
</project>
```

```
<?xml version="1.0" encoding="UTF-8"?>
```

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-->

```
<project>
<modelVersion>4.0.0</modelVersion>

<groupId>org.apache.maven.its.mng3843</groupId>
<artifactId>parent-1</artifactId>
<version>0.1</version>
<packaging>pom</packaging>

<contributors>
 <contributor>
 <name>parent-contributor</name>
 </contributor>
</contributors>
</project>
```

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```
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```

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

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## 5.107 packaging 16.8

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## 5.108 paramiko 2.0.2

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It is currently maintained by Marco d'Itri <md@linux.it> and Chris Boot <bootc@debian.org>.

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

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

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|-------|-----------|------|-----|-----|
| 2.1   | 2.0+1.6.1 | 2001 | PSF | no  |
| 2.0.1 | 2.0+1.6.1 | 2001 | PSF | yes |
| 2.1.1 | 2.1+2.0.1 | 2001 | PSF | yes |
| 2.2   | 2.1.1     | 2001 | PSF | yes |
| 2.1.2 | 2.1.1     | 2002 | PSF | yes |
| 2.1.3 | 2.1.2     | 2002 | PSF | yes |
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## 5.118 python-attrs 15.2.0 :1

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Upstream-Name: attrs

Upstream-Contact: Hynek Schlawack <hs@ox.cx>

Source: <https://attrs.readthedocs.org/>

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## 5.119 python-cairo 1.8.8 :1ubuntu3

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Packaged by Dave Beckett <dajobe@debian.org> from 2005-02-02

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## 5.122 python-dev 2.7.11.1

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This is the Debian GNU/Linux prepackaged version of the Python programming  
language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from  
sources from ftp.python.org:/pub/python, based on the Debianization by  
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Current maintainer is Matthias Klose <doko@debian.org> until the final  
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A. HISTORY OF THE SOFTWARE

=====  
Python was created in the early 1990s by Guido van Rossum at Stichting  
Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands  
as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to  
BeOpen.com to form the BeOpen PythonLabs team. In October of the same



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

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes

2.6.4	2.6.3	2009	PSF	yes
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dh\_python2, pycompile, pyclean and debpython module:

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## 5.123 python-enum34 1.1.2

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## 5.124 python-functools32 3.2.3-2

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=====

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

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

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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
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2.1.3	2.1.2	2002	PSF	yes
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2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
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2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes



2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
3.2.2	3.2.1	2011	PSF	yes
3.2.3	3.2.2	2012	PSF	yes

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## 5.125 python-gnupginterface 0.3.2

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Upstream-Name: idna

Source: <https://github.com/kjd/idna>

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## 5.127 python-ipaddress 1.0.16 :1

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Upstream-Name: ipaddress

Source: <https://github.com/philhag/ipaddress>

Files: \*

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## 5.129 python-minimal 2.7.11 :1

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes

2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
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2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
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## 5.130 python-pip 8.1.1 :2ubuntu0.4

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Source: <http://www.pip-installer.org/>

Files: \*

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a

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

Release from	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes

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## 5.132 python-service-identity 16.0.0 :2

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Source: [https://pypi.python.org/pypi/service\\_identity/](https://pypi.python.org/pypi/service_identity/)

Files: \*

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## 5.133 pytz 2014-10

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## 5.134 pyvmomi 6.5.0.2017.5

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.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_bool: <https://docs.python.org/2/library/stdtypes.html>

.. \_vmodl.DynamicData: ../../vmodl/DynamicData.rst

.. \_vim.ManagedEntity: ../../vim/ManagedEntity.rst

vim.AuthorizationManager.Permission

=====

This data object type provides assignment of some role access to a principal on a specific entity. A ManagedEntity is limited to one permission per principal.

:extends: vmodl.DynamicData\_

Attributes:

entity (`vim.ManagedEntity`\_, optional):

Managed entity the permission is defined on. Left unset when calling setPermissions or resetPermissions, but present for the results of permission queries.

principal (`str`\_):

User or group receiving access in the form of "login" for local or "DOMAIN\login" for users in a Windows domain.

group (`bool`\_):

Whether principal refers to a user or a group. True for a group and false for a user.

roleId (`int`\_):

Reference to the role providing the access.

propagate (`bool`\_):

Whether or not this permission propagates down the hierarchy to sub-entities.

.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_vim.fault.VimFault: ../../vim/fault/VimFault.rst

vim.fault.InvalidLicense

=====

:extends:

`vim.fault.VimFault`\_

Thrown when an attempt is made to upload license content that is invalid.

Attributes:

```
 licenseContent (`str`_)
.. _int: https://docs.python.org/2/library/stdtypes.html

.. _vmodl.fault.NotEnoughLicenses: ../../vmodl/fault/NotEnoughLicenses.rst
```

vim.fault.VramLimitLicense

```
=====
:extends:

 `vmodl.fault.NotEnoughLicenses`_
```

A VramLimitLicense fault is thrown if executing an operation would result in exceeding maximum allowed vRAM amount. For example, this could happen when powering on a VM, hot-plugging memory into a running VMm, etc.

Attributes:

```
 limit (`int`_)
.. _int: https://docs.python.org/2/library/stdtypes.html

.. _vmodl.fault.NotEnoughLicenses: ../../vmodl/fault/NotEnoughLicenses.rst
```

vim.fault.VmLimitLicense

```
=====
:extends:

 `vmodl.fault.NotEnoughLicenses`_
```

A VmLimitLicense fault is thrown if powering on the virtual machine would exceed the maximum number of running virtual machines allowed.

Attributes:

```
 limit (`int`_)
.. _int: https://docs.python.org/2/library/stdtypes.html

.. _str: https://docs.python.org/2/library/stdtypes.html

.. _datetime: https://docs.python.org/2/library/stdtypes.html

.. _vmodl.fault.NotEnoughLicenses: ../../vmodl/fault/NotEnoughLicenses.rst
```

vim.fault.ExpiredFeatureLicense

=====

:extends:

  `vmodl.fault.NotEnoughLicenses`\_

An ExpiredFeatureLicense fault is thrown if an attempt to acquire an Addon license 'feature failed for count 'count'.

Attributes:

  feature (`str`\_)

  count (`int`\_)

  expirationDate (`datetime`\_)

.. \_vim.fault.ExpiredFeatureLicense: ../../vim/fault/ExpiredFeatureLicense.rst

vim.fault.ExpiredAddonLicense

=====

:extends:

  `vim.fault.ExpiredFeatureLicense`\_

An ExpiredAddonLicense fault is thrown if an attempt to acquire an Addon license 'feature failed for count 'count'.

Attributes:

.. \_str: <https://docs.python.org/2/library/stdtypes.html>

.. \_vmodl.fault.NotEnoughLicenses: ../../vmodl/fault/NotEnoughLicenses.rst

vim.fault.InvalidEditionLicense

=====

:extends:

  `vmodl.fault.NotEnoughLicenses`\_

An ExpiredEditionLicense fault is thrown if an attempt to acquire an Edition license 'feature failed for count 'count'.

Attributes:

  feature (`str`\_)

.. \_vim.fault.ExpiredFeatureLicense: ../../vim/fault/ExpiredFeatureLicense.rst

vim.fault.ExpiredEditionLicense

=====

:extends:

``vim.fault.ExpiredFeatureLicense`_`

An ExpiredEditionLicense fault is thrown if an attempt to acquire an Edition license 'feature failed for count 'count'.

Attributes:

.. `_str`: <https://docs.python.org/2/library/stdtypes.html>

.. `_vim.LicenseManager.LicenseSource`: `../vim/LicenseManager/LicenseSource.rst`

`vim.LicenseManager.LocalLicense`

=====

Specify license key data to store locally.

:extends: `vim.LicenseManager.LicenseSource_`

Attributes:

`licenseKeys` (``str`_`):

The size of this string is implementation dependent. It must contain ASCII or ISO Latin-1 characters only.

.. `_long`: <https://docs.python.org/2/library/stdtypes.html>

.. `_VI API 2.5`: `../vim/version.rst#vimversionversion2`

.. `_vim.LicenseManager.LicenseSource`: `../vim/LicenseManager/LicenseSource.rst`

`vim.LicenseManager.EvaluationLicense`

=====

Specify an evaluation license source. Feature licensing is not required while the remaining hours is greater than zero.

:extends: `vim.LicenseManager.LicenseSource_`

:since: ``VI API 2.5`_`

Attributes:

`remainingHours` (``long`_`, optional):

The number of remaining hours before product evaluation expires

.. `_vmodl.RuntimeFault`: `../vmodl/RuntimeFault.rst`

`vmodl.fault.NotEnoughLicenses`

=====

:extends:

``vmodl.RuntimeFault`_`

A NotEnoughLicensesFault occurs when an operation fails because there are not enough licenses installed.

Attributes:

pyVmomi

=====

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## 5.143 six 1.10.0

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## 5.146 syslog-ng-core 3.5.6-2+b1

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```
ignore
scl/syslogconf/convert-syslogconf.awk$
.*/*.*.am$
.*\.(yml|md|y|l|txt|xml|xsd|log|key|crt|files|in|conf)\.example|gradle|mk|supp|sub|guess|list|pc|.cmake)$
.*[/^]+-grammar\.[ch]$
(./)?(README|\.gitignore|pylintrc)$
lib/ivykis
lib/jsonc
modules/afamqp/rabbitmq-c
modules/afmongodb/mongo-c-driver
modules/java/org_syslog_ng_[^./_-]+\.[h]$
modules/(afmongodb|afamqp)/dummy\.[c]$
dev-utils/plugin_skeleton_creator/plugin_template.*
(lib|modules)/*.*.conf$
dist\.[c]onf$
.*\.[c]onf$
scl/syslog-ng\.[c]onf$
tests/copyright/policy$
(syslog-ng-)?config\.[h]$
lib/cfg-lex\.[ch]$
tgz2build
autom4te\.[c]ache
m4
Mk
.*\.(a|bin|class|css|dirstamp|html|idx|jar|js|o|la|lai|lo|MF|persist|Plo|Po|pc|pyc|so|so\.\0\.\0\.\0|soT|spec|trs)$
```

```

(./)?Makefile$
doc/man
(_configs|.sed|.project|.cproject|config|.status)$
stamp-h1$
tests/functional/test|.conf$
scripts/update-patterndb$
(contrib|debian)
doc/ChangeLog|. [0-9]$
(\\.gitmodules|AUTHORS|COPYING|INSTALL|VERSION|aclocal|.m4|compile|configure|depcomp|install-
sh|libtool|ltmain|.sh|missing|test-driver|ylwrap)$
.*[/^.]*$
LGPLv2.1+_SSL
autogen|.sh$
cmake
sub-configure|.sh$
configure|.ac$
Makefile|.am$
lib/(compat|control|debugger|filter|logproto|parser|rewrite|stats|template|tests|transport|logmsg|value-pairs|[/^]*)$
lib/scanner/csv-scanner
libtest
syslog-ng(-ctl)?
modules/java-modules/common
modules/java/(native|proxies|src)
modules/native
GPLv2+_SSL
dev-utils/plugin_skeleton_creator/create_plugin.sh
tests
modules/java/(tools|[/^]*)$
modules/java-modules/(dummy|elastic|elastic-v2|hdfs|http|kafka|[/^]*)$
modules/(afamqp|affile|afmongodb|afprog|afsmtp|afsocket|afsql|afstomp|afstreams|afuser|basicfuncs|cef|confgen|cry
ptofuncs|csvparser|date|diskq|dbparser|geoip|graphite|json|kvformat|linux-kmsg-
format|pacctformat|pseudofile|python|redis|riemann|syslogformat|systemd-journal|system-source|[/^]*)$
modules/add-contextual-data
scl
scripts
GPLv2+_SSL,non-balabit
modules/http

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Upstream-Contact: Syslog-ng users' and developers' mailing list <[syslog-ng@lists.balabit.hu](mailto:syslog-ng@lists.balabit.hu)>

Source: [git://github.com/balabit/syslog-ng.git](https://github.com/balabit/syslog-ng.git)

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lib/compat/strtok\_r.c

lib/control/control-server.\*

lib/control/control-server-unix.c

lib/hostname.h

lib/hostname-unix.c

lib/host-resolve.\*

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lib/template/tests/test\_template\_compile.c

lib/tests/test\_cache.c

lib/tests/test\_cfg\_lexer\_subst.c

lib/tests/test\_hostname.c

lib/tests/test\_host\_resolve.c

lib/tests/test\_log\_message.c

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```
ignore
scl/syslogconf/convert-syslogconf.awk$
.*/*.*.am$
.*\.(yml|md|y|l|txt|xml|xsd|log|key|crt|files|in|conf)\.example|gradle|mk|supp|sub|guess|list|pc\.cmake)$
.*[/^]+-grammar\.[ch]$
(.*?)?(README|\.gitignore|pylintrc)$
lib/ivykis
```

lib/jsonc  
modules/afamqp/rabbitmq-c  
modules/afmongodb/mongo-c-driver  
modules/java/org\_syslog\_ng\_[^/\_-]+\h\$  
modules/(afmongodb|afamqp)/dummy\.c\$  
dev-utils/plugin\_skeleton\_creator/plugin\_template.\*  
(lib|modules)/.\*\.conf\$  
dist\.conf\$  
.\*\.gradle  
scl/syslog-ng\.conf\$  
tests/copyright/policy\$  
(syslog-ng-)?config\.h\$  
lib/cfg-lex\.[ch]\$  
tgz2build  
autom4te\.cache  
m4  
Mk  
.\*\.(a|bin|class|css|dirstamp|html|idx|jar|js|o|la|lai|lo|MF|persist|Plo|Po|pc|pyc|so|so\.\0\.\0\0|soT|spec|trs)\$  
(./)?Makefile\$  
doc/man  
(\_configs\.sed|\.project\.cproject|config\.status)\$  
stamp-h1\$  
tests/functional/test\.conf\$  
scripts/update-patterndb\$  
(contrib|debian)  
doc/ChangeLog\.[0-9]\$  
(\.gitmodules|AUTHORS|COPYING|INSTALL|VERSION|aclocal\.m4|compile|configure|depcomp|install-  
sh|libtool|ltmain\.sh|missing|test-driver|ylwrap)\$  
.\*[/^\.]\*\$  
LGPLv2.1+\_SSL  
autogen\.sh\$  
cmake  
sub-configure\.sh\$  
configure\.ac\$  
Makefile\.am\$  
lib/(compat|control|debugger|filter|logproto|parser|rewrite|stats|template|tests|transport|logmsg|value-pairs|[^/]\*\$)  
lib/scanner/csv-scanner  
libtest  
syslog-ng(-ctl)?  
modules/java-modules/common  
modules/java/(native|proxies|src)  
modules/native  
GPLv2+\_SSL  
dev-utils/plugin\_skeleton\_creator/create\_plugin.sh  
tests  
modules/java/(tools|[^/]\*\$)  
modules/java-modules/(dummy|elastic|elastic-v2|hdfs|http|kafka|[^/]\*\$)  
modules/(afamqp|affile|afmongodb|afprog|afsmtp|afsocket|afsql|afstomp|afstreams|afuser|basicfuncs|cef|confgen|cry

ptofuncs|csvparser|date|diskq|dbparser|geoip|graphite|json|kvformat|linux-kmsg-  
format|pacctformat|pseudofile|python|redis|riemann|syslogformat|systemd-journal|system-source[<sup>/</sup>\*\$)  
modules/add-contextual-data  
scl  
scripts  
GPLv2+\_SSL,non-balabit  
modules/http

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A: No, starting with syslog-ng 3.2, you don't need to sign a CLA in order to have your contributions accepted.

Q: Is it possible to create non-free plugins for syslog-ng?

A: Yes. It is our understanding that plugins are derived works of the syslog-ng core but not derived works of other plugins. Thus, non-free plugins are possible, provided they do not link to any of the GPLd plugins explicitly and the only connection between two plugins is via the syslog-ng core.

Q: Who is permitted to create non-free plugins for syslog-ng? Is it just BalaBit (the current copyright holder as of the initial 3.2 release)?

A: No, everyone including BalaBit.



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/\*-

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## 5.148 syslog-ng-mod-sql 3.5.6-2+b1

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Version 1.1

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```
ignore
scl/syslogconf/convert-syslogconf.awk$
.*/*.am$
.*\.(yml|md|y|l|txt|xml|xsd|log|key|crt|files|in|conf|.example|gradle|mk|supp|sub|guess|list|pc|.cmake)$
.*[/^]+-grammar\.[ch]$
(.*)?(README|\.gitignore|pylintrc)$
lib/ivykis
lib/jsonc
modules/afamqp/rabbitmq-c
modules/afmongodb/mongo-c-driver
modules/java/org_syslog_ng_[^/_-]+\h$
modules/(afmongodb|afamqp)/dummy\.$
dev-utils/plugin_skeleton_creator/plugin_template.*
(lib|modules)/.*\.conf$
dist\.conf$
.*\.\.gradle
scl/syslog-ng\.conf$
tests/copyright/policy$
(syslog-ng-)?config\h$
lib/cfg-lex\.[ch]$
tgz2build
autom4te\cache
m4
Mk
.*\.(a|bin|class|css|dirstamp|html|idx|jar|js|o|la|lai|lo|MF|persist|Plo|Po|pc|pyc|so|so.0\0\0|soT|spec|trs)$
(.*)?Makefile$
doc/man
(_configs)\sed\.\project\.\cproject|config\.\status)$
stamp-h1$
tests/functional/test\conf$
scripts/update-patterndb$
(contrib|debian)
```



doc/ChangeLog\.[0-9]\$  
 (\.gitmodules|AUTHORS|COPYING|INSTALL|VERSION|aclocal\.m4|compile|configure|depcomp|install-  
 sh|libtool|ltmain\.sh|missing|test-driver|ylwrap)\$  
 .\*/[^\.]\*\$  
 LGPLv2.1+\_SSL  
 autogen\.sh\$  
 cmake  
 sub-configure\.sh\$  
 configure\.ac\$  
 Makefile\.am\$  
 lib/(compat|control|debugger|filter|logproto|parser|rewrite|stats|template|tests|transport|logmsg|value-pairs|[^\.]\*\$)  
 lib/scanner/csv-scanner  
 libtest  
 syslog-ng(-ctl)?  
 modules/java-modules/common  
 modules/java/(native|proxies|src)  
 modules/native  
 GPLv2+\_SSL  
 dev-utils/plugin\_skeleton\_creator/create\_plugin.sh  
 tests  
 modules/java/(tools|[^\.]\*\$)  
 modules/java-modules/(dummy|elastic|elastic-v2|hdfs|http|kafka|[^\.]\*\$)  
 modules/(afamqp|affile|afmongodb|afprog|afsmtp|afsocket|afsql|afstomp|afstreams|afuser|basicfuncs|cef|confgen|cry  
 ptofuncs|csvparser|date|diskq|dbparser|geoip|graphite|json|kvformat|linux-kmsg-  
 format|pacctformat|pseudofile|python|redis|riemann|syslogformat|systemd-journal|system-source|[^\.]\*\$)  
 modules/add-contextual-data  
 scl  
 scripts  
 GPLv2+\_SSL,non-balabit  
 modules/http

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Upstream-Contact: Syslog-ng users' and developers' mailing list <[syslog-ng@lists.balabit.hu](mailto:syslog-ng@lists.balabit.hu)>

Source: [git://github.com/balabit/syslog-ng.git](https://github.com/balabit/syslog-ng.git)

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Version 3, 29 June 2007

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Version 3, 29 June 2007

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## 5.150 Unzip 6.0-20ubuntu1

### 5.150.1 Available under license :

This is the Debian prepackaged version of "unzip", Info-Zip's fast, portable, zipfile decompression utility.

This package is currently maintained by Santiago Vila <sanvila@debian.org> and built from sources obtained from:

<ftp://ftp.info-zip.org/pub/infozip/src/unzip60.tgz>

The changes were fairly minimal, and consisted solely of adding various debian/\* files to the distribution, plus several miscellaneous fixes as reflected in the Debian changelog.

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## 5.151 upstart 1.13.2 :0ubuntu21.1

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## 5.152 wamerican 7.1-1

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<kevina@users.sourceforge.net>

It was downloaded from:  
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contributor to the ENABLE word list, given me an incredible amount of  
feedback and created a number of special lists (those found in the  
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## 5.154 x11-utils 7.7 :3

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Client application for querying drivers' configuration information  
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David Megginson, [david@megginson.com](mailto:david@megginson.com)  
2000-05-05

## 5.157 xorg-sgml-doctools 1.11 :1

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This is the Debian prepackaged version of "zip", Info-Zip's fast, portable, zipfile compression utility.

This package is currently maintained by Santiago Vila <sanvila@debian.org> and built from sources obtained from:

<ftp://ftp.info-zip.org/pub/infozip/src/zip30.tgz>

The changes were fairly minimal, and consisted solely of adding various debian/\* files to the distribution.

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Format stream\_lf

# 5.159 zope.interface 4.1.3 :1build1

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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: zope.interface

Upstream-Contact: Zope Foundation and Contributors <zope-dev@zope.org>

Source: <http://pypi.python.org/pypi/zope.interface>

Files-Excluded: docs/\_build/\*

Files: \*

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