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However, linking a "work that uses the Library" with the Library
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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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derivative work of the Library even though the source code is not.
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file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
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* org.eclipse.jetty.orbit:javax.mail.glassfish
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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

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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

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1.20 stateless4j 2.5.0

1.21 opensaml-messaging-api 3.3.0

1.22 jaxb-runtime 2.3.0

1.23 pcollections 3.0.3

1.24 distro-info 0.21

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1.33 concurrent-trees 2.4.0

1.34 libjpeg 6b
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DOCUMENTATION ROADMAP
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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not
exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf.  It is copyright by the Free Software Foundation but is freely distributable.  The same holds for its supporting scripts (config.guess, config.sub, ltlconfig, ltmain.sh).  Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi.  Hence arithmetic coding cannot legally be used without obtaining one or more licenses.  For this reason, support for arithmetic coding has been removed from the free JPEG software.  (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.)  So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files.  To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs".  This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that

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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K.  "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz.  The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material.  Note: the Wallace article is copyright ACM and IEEE,
and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:
Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

The TIFF 6.0 file format specification can be obtained by FTP from
found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.
IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6).
Instead, we recommend the JPEG design proposed by TIFF Technical Note #2
(Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library
uses our library to implement TIFF/JPEG per the Note. libtiff is available

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet
address 192.48.96.9). The most recent released version can always be found
there in directory graphics/jpeg. This particular version will be archived
as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have
direct Internet access, UUNET's archives are also available via UUCP; contact
help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only
ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from
the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or
on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12
"JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net
release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
and other news.answers archive sites, including the official news.answers
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with body
  send usenet/news.answers/jpeg-faq/part1
  send usenet/news.answers/jpeg-faq/part2
RELATED SOFTWARE

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear
whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.35 fdisk 2.33.1
1.35.1 Available under license :

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1.42 prometheus-client 3.1.9-2.el7

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1.45 plugin-classloader 6.8.12

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Found in path(s):
* /opt/cola/permits/1124222458_1611010451.18/0/plugin-classloader-6-8-12-sources-1-
  jar/org/elasticsearch/plugins/ExtendedPluginsClassLoader.java

1.46 httpcomponents-core 4.4.5

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1.47 masterminds-semver 1.4.3

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1.48 go-colortext 1.5.2 0.7.git269f928.el7

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1.49 circonus-gometrics 2.3.1+incompatible

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1.50 jetty-security 9.4.24.v20191120

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

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

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

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

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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

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OW2

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

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

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

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MortBay

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following Apache Tomcat jars, all ASL2 licensed.

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by
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1.51 hashicorp-serf 0.8.3

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1.57 neko-html 1.9.21

1.58 lucene 7.7.3
1a0d2a901dfec93676b0fe8be425101ceb754b8

5

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    Licenses["lgpl"] = License{
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        PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
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Licenses["mit"] = License{
    Name: "MIT License",
    PossibleMatches: []string{"mit"},
    Header: `
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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Licenses[“apache”] = License{
    Name: ”Apache 2.0”,
    PossibleMatches: []string{”apache”, ”apache20”, ”apache 2.0”, ”apache2.0”, ”apache-2.0”},
    Header: `
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func initGpl2() {
    Licenses["gpl2"] = License{
        Name:            "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `This program is free software; you can redistribute it and/or
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tomb - support for clean goroutine termination in Go.

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*/

// Package legal provides in-process storage for compiled-in licenses.
package legal

var licenses []string

// RegisterLicense stores the license text.
// It doesn't check whether the text was already present.
func RegisterLicense(text string) {
    licenses = append(licenses, text)
    return
}

// Licenses returns a slice of the licenses.
func Licenses() []string {
return licenses
}
/*
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limitations under the License.
*/

package legal

import (testing"
)

func TestRegisterLicense(t *testing.T) {
    initial := len(licenses)
    RegisterLicense("dummy")
    if initial+1 != len(licenses) {
        t.Fatal("didn't add a license")
    }
}

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package cmd

func initBsdClause2() {
    Licenses["freebsd"] = License{
        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd", "2 clause bsd", "simplified bsd license"},
        Header: "All rights reserved.

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package cmd

import (  "strings"  "time"  "github.com/spf13/viper")
// Licenses contains all possible licenses a user can choose from.
var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of
// the license, its possible matches (on the command line as given to cobra),
// the header to be used with each file on the file's creating, and the text
// of the license
type License struct {
    Name            string   // The type of license in use
    PossibleMatches []string // Similar names to guess
    Text            string   // License text data
    Header          string   // License header for source files
}

func init() {
    // Allows a user to not use a license.
    Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}

    initApache2()
    initMit()
    initBsdClause3()
    initBsdClause2()
    initGpl2()
    initGpl3()
    initLgpl()
    initAgpl()
}

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
    // If explicitly flagged, use that.
    if userLicense != "" {
        return findLicense(userLicense)
    }

    // If user wants to have custom license, use that.
    if viper.IsSet("license.header") || viper.IsSet("license.text") {
        return License{
            Header: viper.GetString("license.header"),
            Text: viper.GetString("license.text")
        }
    }

    // If user wants to have built-in license, use that.
    if viper.IsSet("license") {
        return findLicense(viper.GetString("license"))
// If user didn't set any license, use Apache 2.0 by default.
return Licenses["apache"]
}

func copyrightLine() string {
author := viper.GetString("author")
year := viper.GetString("year") // For tests.
if year == "" {
year = time.Now().Format("2006")
}
return "Copyright " + year + " " + author
}

// findLicense looks for License object of built-in licenses.
// If it didn't find license, then the app will be terminated and
// error will be printed.
func findLicense(name string) License {
found := matchLicense(name)
if found == "" {
er("unknown license: " + name)
}
return Licenses[found]
}

// matchLicense compares the given a license name
// to PossibleMatches of all built-in licenses.
// It returns blank string, if name is blank string or it didn't find
// then appropriate match to name.
func matchLicense(name string) string {
if name == "" {
return ""
}
for key, lic := range Licenses {
for _, match := range lic.PossibleMatches {
if strings.EqualFold(name, match) {
return key
}
}
return ""
}
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package cmd

func initAgpl() {
    Licenses["agpl"] = License{
        Name: "GNU Affero General Public License",
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
        Header: `This program is free software: you can redistribute it and/or modify
        it under the terms of the GNU Affero General Public License as published by
        the Free Software Foundation, either version 3 of the License, or
        (at your option) any later version.
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func initGpl3() {
Licenses["gpl3"] = License{
    Name: "GNU General Public License 3.0",
    PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
    Header: `This program is free software: you can redistribute it and/or modify
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That's all there is to it!
mgo - MongoDB driver for Go

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1.70 go-kit 2.2.1

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procsf provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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package spec
// License information for the exposed API.
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// For more information: http://goo.gl/8us55a#licenseObject

type License struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

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1.73 jersey-container-servlet-core 2.27

1.74 guava 16.0.1

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1.75 python 3.7.3 2+deb10u2

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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ./$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ./$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 /*
 - Unix SMB/CIFS implementation.
 + trivial database library - standalone version

 - trivial database library - private includes
 -
 - Copyright (C) Andrew Tridgell 2005
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Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Theodore Ts'o
23-June-2007

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

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

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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1.89 c3p0 0.9.5.2

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1.94 jetty-continuation 9.4.11.v20180605

1.95 go-autorest 2.2.1

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Go support for Protocol Buffers - Google's data interchange format

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package spec

// License information for the exposed API.

// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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- Holders of a href=https://www.cryptoworkshop.com>Crypto Workshop Support Contracts</a>. Without the consulting time left over from support contracts being contributed back to working on the Bouncy Castle APIs, progress would be impossible. You know who you are!


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- Michael Lee &lt;yfl@mira.net&gt; - initial RC6 implementation, MD2 implementation

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Carmen Bastiaans &lt;cbastiaa@microbits.com.au&gt; - fixing the improper null pointer setting in the setting of certificates in the PKCS12 key store.

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Casey Marshall &lt;rsdio@metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.<li>
Rick Zeldes &lt;rick.zeldes@eds.com&gt; - initial code for CMS/SMIME CompressedData.</li>
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Jörg von Kattche &lt;J.Kattche@seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.</li>
Matteo Artuso &lt;matarusso@604:libero.it&gt; - picking up the possible overread in ASN1InputStream.</li>
Julian Morrison &lt;julian@604:extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.</li>
Elmar Sonnenschein &lt;es0@esomail.de&gt; - fix to long conversion in SecureRandom.</li>
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Chris Long &lt;cl@604:ec.cmu.edu&gt; - adding public key decoding to PEMReader.</li>
Hes Siemelink &lt;hes@604:izecom.com&gt; - fixIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.</li>
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Kaiser Yang &lt;kaiseryang@604:yahoo.com&gt; - Finding BigInteger loop problem in prime generation.</li>
Jiri Urbanec &lt;jiri.urbanec@604:logicamg.com&gt; - patch to fix defect in DERBMPString.equals().</li>
Justin Kolb &lt;jkolb@604:prlixir.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
Ralf Hauser &lt;ralf@604:gm.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>
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<li>Mariusz Bandola &lt;mariusz.bandola@cryptotech.com.pl&gt; - patch to DERGeneralizedTime.
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<li>IAN Haywood &lt;ian@64haywood.hpa.nu&gt; - addition of getSignatureType to PGPSignature.</li>

<li>Jonathan Edwards &lt;s34gull@64mac.com&gt; - initial support for reading multiple rings from a PGP key
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<li>Andrew Thornton &lt;andrew@64carea.in.ac.ae.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.</li>

<li>Gregor Leander &lt;gl@64bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500
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<li>Antoon Bosselaers &lt;Antoon.Bosselaers@64esat.kuleuven.ac.be&gt; - help with RIPEMD320
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<li>Doug &lt;ummmmm@64myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public
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<li>W.R. Dittmer &lt;wdittmer@64cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to
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<li>Perez Paz Luis Alberto &lt;laperez@64banxico.org.mx&gt; - patch to use of BitString in X.500 name.</li>

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<li>Jim Ford &lt;jim@64muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding
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<li>Michael Hauser &lt;hauser@64ponton-consulting.de&gt; - extra aliases for provider.</li>

<li>Sai Pullabhotla &lt;psai@64linoma.com&gt; - fix to PGP compressed data generator to improve compression
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<li>Joseph Miller &lt;joseph@64digiweb.net.nz&gt; - addition of ZeroBytePadding.</li>

<li>Lars &lt;xyz@64agsmedenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.</li>

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<li>Petr Dukem &lt;petdukem@64email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with
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<li>Alpesh Parmar &lt;alps@64linuxmail.org&gt; - patch for class cast problem in
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<li>Jay Gengelbach &lt;jgengelbach@64webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey
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<li>Tom Cargill &lt;cargill@#064profcon.com&gt; - spelling patch in provider.</li>
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<li>Javier Delgadoillo &lt;javi@#064javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>
<li>Joni Hahkala &lt;jonihahkala@#064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project</a> for making the work available.</li>
<li>Carlos Moliner &lt;carlos@#064evintia.com&gt; - initial TSP implementation.</li>
<li>Carlos Lozano &lt;carlos@#064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>
<li>Javier Delgadoillo &lt;javi@#064javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>
<li>Joni Hahkala &lt;jonihahkala@#064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project</a> for making the work available.</li>
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<li>Javier Delgadoillo &lt;javi@#064javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>
<li>Joni Hahkala &lt;jonihahkala@#064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project</a> for making the work available.</li>
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<li>Atsuhiko Yamanaka &lt;ymanak@#064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
<li>Nickolay Bolshakov &lt;tyrex@#064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
<li>Soren Hilmer &lt;soren.hilmer@#064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
<li>Steve Mitchell &lt;mitchell@#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP. Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
<li>Dirk Eisner &lt;d.eisner@#064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
<li>Julien Pasquier &lt;jaunenpasquier@#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;matartuso@#064libero.it&gt; - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson &lt;andrew.paterson@#064burnsec.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov &lt;vladimir.n.molotkov@#064intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florin Kollan &lt;adlocflo@#064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
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<li>Tom Pesman &lt;tom@#064tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.</li>
<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@#064gmail.com&gt; - patch to fix parsing issue with OpenSSL.
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<li>David M. Lee &lt;dmlee@064Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5@064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung &lt;t2cung@064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz &lt;cschultz@064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee &lt;dmlee@064Crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees@064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;bugbee@064mac.com&gt; - initial ECNR implementation.</li>
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<li>Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-DES MAC to the provider, to fix EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
<li>David Josse &lt;david.josse@064transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiko &lt;kazu-k@064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
<li>Lawrence Tan &lt;lwrnctan@064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente &lt;superdupont@064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc@064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Joel Rees, Karsten Ohme &lt;karsten-ohme@064onlinede.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Joschka Eichhorn &lt;joschka@064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT,
Open Source Used In MSX Platform Infrastructure 3.10.0  1070

RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz &lt;carlos@tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.

John Alfred Prufrock &lt;j.a.prufrock@#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen &lt;neusatz@#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice &lt;marzio.logiudice@#064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold &lt;georg.lippold@#064gmx.de&gt; - initial implementation of NaccacheStern cipher.

Chris Viles &lt;chris_viles@#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.

Pasi Eronen &lt;Pasi.Eronen@#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.


Maria Ivanova &lt;maria.ivanova@#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.

Armin H&auml;berling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder &lt;mschilder@#064google.com&gt; - main set of test vectors for Bleichenbacher’s forgery attack.

Xavier Le Vourch &lt;xavier@#064brittanysoftware.com&gt; - general code clean ups.

Erik Tews &lt;e_tews@#064dc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon &lt;teikomusha@#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis &lt;info@#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim &lt;rojaquim@#064cc.isel.ipl.pt&gt; - initial implementation of RSA binding for signatures.

David Stacey &lt;DStacey@#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers &lt;list@#064mitm.nl&gt; - better exception handling in CMS enveloping, “just in time” modifications for CRL and Sequence evaluation.

Julius Davies &lt;juliusdavies@#064gmail.com&gt; - additional modes and algorithm support in PEMReader.

Matthias &lt;g@#064rtner.de&gt; - GnuPG compatibility changes for PBESecretFileProcessor.

Olga K&auml;hlter &lt;olga.kaehlter@#064hip-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

Germano Rizzo &lt;germano.rizzo@#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.

N&Aacute;rria Mar&Aacute;cute; &lt;numaa@#064hotmail.com&gt; - patch for alternate data type recoginition in CMSSignedDataParser.
<li>Janis Schuller &lt;js@tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;mike@samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mstjohns@064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller@064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark@064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gffi@064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>
<li>Julien Pasquier &lt;julienpasquier@064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp@064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozd &lt;gwozdziu@064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski &lt;bmalkow@064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRANDOMGenerator, VMPCMac.</li>
<li>Tal Yacobi &lt;tal.yacobi@064octavian-tech.com&gt; - fix for issue in OpenPGP examples [BJA-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>
<li>Andrey Pavlenko &lt;andrey.a.pavlenko@064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>
<li>J Ross Nicoll &lt;jrn@064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson &lt;mavrnickz@064yahoo.com&gt; - patch to constructor for CRMF CertSequence.</li>
<li>Gabriele Contini &lt;gcontini@064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>
<li>Roelof Naude &lt;roelof.naude@064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Peck &lt;peck@064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay &lt;lemaymd@064lemaymd.com&gt; - identified problem with EAX [BJA-93].</li>
<li>Alex Dupre &lt;ale@064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [BJA-102].</li>
<li>Michael Schoene &lt;michael@064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
<li>Ion Larrañaga &lt;ilarrañaga@064s21sec.com&gt; - fix to default partial packet generation in BCPOutputStream.</li>
<li>Bob Kerns &lt;bob.kerns@positscience.com&gt; - fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer &lt;stefan.meyer@064ewe.de&gt; - backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore &lt;Robert.J.Moore@allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai &lt;rui@064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic &lt;emir.bucalovic@064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson &lt;tobbe79@064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick &lt;bouncycastle_pfitz@064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi,
Henrik Andersson &lt;k.henrik.andersson@#064gmail.com&gt; addition of UniqueIssuerID to certificate generation.

Cagdas Cirit &lt;cagdascirit@#064gmail.com&gt; subjectAlternativeName fix for x509CertStoreSelector.

Harakiri &lt;harakiri_23@#064yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.

Pedro Henrique &lt;pmahreniques@#064gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

Lothar Kimmeringer &lt;job@#064kimmeringer.de&gt; verbose mode for ASN1Dump, support for DERExternal.

Richard Farr &lt;t:farr.se@#064gmail.com&gt; initial SRP-6a implementation.

Thomas Castiglione &lt;castiglione@#064au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.

Elisabetta Romani &lt;eromani@#064sogei.it&gt; patch for recognising multiple counter signatures.

Harakiri &lt;harakiri_23@#yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.

Pedro Henrique &lt;pmahreniques@#064gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

Lothar Kimmeringer &lt;job@#064kimmeringer.de&gt; verbose mode for ASN1Dump, support for DERExternal.

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Pedro Henrique &lt;pmahreniques@#064gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

Lothar Kimmeringer &lt;job@#064kimmeringer.de&gt; verbose mode for ASN1Dump, support for DERExternal.
Alf Malf &lt;alfilmalf&#064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.

Alfonso Massa &lt;alfonso.massa&#064insiel.it&gt; contributions to CMS time stamp classes.

Giacomo Boccardo &lt;gboccardo&#064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.

Arnis Tartu &lt;arnis&#064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.

Janusz Sikociski &lt;J.Sikocinski&#064064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.

Juri Hudolejev &lt;jhudolejev&#064064gmail.com&gt; JavaDoc fix to CMSignedDataParser.

Liane Velten &lt;liane.velten&#064064hijp-consulting.com&gt; fine tuning of code for DHParameters validation.

Shawn Willden &lt;swillden&#064064google.com&gt; additional functionality to PGPKeyRing.

Atanas Krachev &lt;akrachev&#064064gmail.com&gt; added support for revocation signatures in OpenPGP.

Mickael Laiking &lt;mickael.laiking&#064064keynectis.com&gt; initial cut of EAC classes.

Tim Buktu &lt;tbuktu&#064064hotmail.com&gt; Initial implementation of NTRU signing and encryption.

Bernd &lt;rbernd&#064064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.

Steing Inge Morisbak &lt;stein.inge.morisbak&#064064BEKK.no&gt; Test code for lower case Hex data in PEM headers.

Andreas Schmid &lt;andreas.schmid&#064064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.

Phil Steitz &lt;phil.steitz&#064064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.


Petar Petrov &lt;p.petrov&#064064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick &lt;daniel.f.nwr&#064064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson &lt;Andy.Neilson&#064quest.com&gt; a further patches to deal with multiple providers and PEMReader.

Ted Shaw &lt;xiao.xj&#064064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Eleriseth &lt;Eleriseth&#064WPECGLtYbVi8Rl6Y7VzI2Lvd2EUVW99v3yNV3IWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root &lt;kenny&#064064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes &lt;maarten.bodewes&#064064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;pilf_b&#064064yahoo.com&gt; Initial implementation of J-PAKE.

Brian Carlstrom &lt;bdc&#064064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lidkeacuten Borell &lt;samuel&#064064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner &lt;sergiolerner&#064064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington&#064064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of MAC, further correctness tests for.
IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInputStream/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad@primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin@064xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;tt555d@064gmail.com&gt; initial cut of DVCS classes.

Damian Kolasa &lt;fatfredy@064gmail.com&gt; ASN1Sequence patch for class cast issue in X9 Curve.

Ash Hughes &lt;ashley.hughes@064blueyonder.co.uk&gt; patches for supporting PGP SecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirschler &lt;dev@064daniel-hirschler.de&gt; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome@064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio &lt;matti.aarnio@064mistics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.

Babak Najafi &lt;bnajafi@064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.

Eric M&uuml;ller &lt;eric.mueller@sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts@064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov@064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso &lt;daniele.grasso86@gmail.com&gt; contributions to final Key calculation code for SRP6.

Andrey Utkin &lt;cindrhc@064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu &lt;arnis@064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB &lt;axel-vdb@064riseup.net&gt; initial implementation of Shacal2.

Roberto Tyley &lt;&gt; further work on completing gradle build.

Waldemar Dick &lt;wdick@064devmue.de&gt; code improvement in x500 ASN.1 package.

Sid Steward &lt;sid.steward@064pdflabs.com&gt; code improvements to ASN1Boolean.

Alex Klyubin &lt;klyubin@064google.com&gt; &lt;klyubin@064aiik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

Kieran Miller &lt;kieran.miller@064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.

Oliver Ehli &lt;ehli@064arago.de&gt; Additional support for BSI plain ECDSA in the provider.

Daniel Heldt &lt;Daniel.Heldt@cryptovision.com&gt; Initial support for encodable state message
digests</li>
<li>Robert Bushman &lt;bouncycastle&#064traxel.com&gt; Clean up of DirectKeySignature example.</li>
<li>Maurice Aarts &lt;aarts&#06464risecure.com&gt; updated to KDF generator to follow NIST SP 800-108.</li>
<li>Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
<li>KB Sriram &lt;mail_kb&#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Marco Schulze &lt;marco&#064nightlabs.de&gt; Reported verification bug in GenericSigner.</li>
<li>Martin Schaefer &lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.</li>
<li>dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>
<li>Tobias Wich &lt;toibis.wich&#06464sec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
<li>Hauke Mehrtens &lt;hauke&#064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.</li>
<li>Daniel Zimmerman &lt;dmz&#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.</li>
<li>Jens Kapitza &lt;jk.kapitza&#064schwarze-alliance.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Eklund &lt;https://github.com/johan64primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.</li>
<li>nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.</li>
<li>Axel von dem Bruch &lt;axel-tdb&#064riseup.net&gt; Contributions to BCrypt/OpenBSDCrypt, original version of Blake2bDigest.</li>
<li>Derek Atkins &lt;derek&#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt;peto64halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.</li>
<li>lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.</li>
<li>Thomas Belot &lt;https://github.com/thomas.belot+BC#64gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.</li>
<li>Rich DiCroce &lt;https://github.com/rdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
<li>Bjouml;rn Kautler &lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).</li>
<li>Dominik Sch&uuml;rmann &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>
<li>Jens Kapitza &lt;j.kapitza&#064schwarze-alliance.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Michael &lt;https://github.com/rdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
<li>BSchuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
<li>Leonard Dalloat &lt;https://github.com/dalloatTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
<li>Jen Willem Janssen &lt;j.w.janssen+bouncycastle#64lxtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.
Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt;: Fixes to toString() in x509.CertificatePolicies.

Kai Kramer &lt;kai.kramer@064gmail.com&gt;: Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.

Benoit Charles &lt;benoit.charles@064opentrust.com&gt;: Fix for IES data length check on decryption.

Niko &lt;nfin95@064gmai1.com&gt;: fix to cast issue in getOutputSize() for ECIES.


Matthias Edelhoff &lt;Matthias.Edelhoff@064cryptovision.com&gt;: BasicConstraintsValidation pathlen fix in PKIX certpath classes.

Lukasz Deputat &lt;lukasz.deputat@064gmail.com&gt;: Fixed bugs in TlsUtils read methods [#BJA-592].

Justin Ludwig &lt;https://github.com/justinludwig&gt;: Iterator fix for PGableObjectFactory to handle stream packets at start of iterated data.

Andrzejacutte, Berenguel &lt;https://github.com/aberenguel&gt;: Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi

Slawomir Jaranowski &lt;https://github.com/slawekjaranowski&gt;: Patch to make cipher/hash/signature name methods in PGP internal API public.

Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt;: Initial implementation of GOST R 34.11-2012.

William Glanton &lt;wglanton77@064gmail.com&gt;: Fixed bug in Poly1305 [#BJA-620].

jdvorak001 &lt;https://github.com/jdvorak001&gt;: Speed improvements for ASN.1 ObjectIdentifier cache.

Joseph Naegele &lt;jnaegele@064grierforensics.com&gt;: Patch for handling multiple certificates in a DANE SMIMEA entry.


The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt;: defect analysis and additional test cases for the provider.

Gorka Irazoqui &lt;girazoki@wpi.edu&gt;: from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

Joerg Senekowitsch &lt;joerg.senekowitsch@veridos.com&gt;: patch to deal with hard coded boolean in EAC ECDSAPublicKey.

Alexandr Krivoshta &lt;wipe@064ya.ru&gt;: N4 calculation fix to GOFB mode.

Artem Storozhuk &lt;storoj72@064gmail.com&gt;: N4 calculation fix to GOFB mode.

Na Yu &lt;na.yu@064samsung.com&gt;: Constructor patches to CMC PKIData.

Evangelos Karatsiolis &lt;ekaratsiolis@54ertos.com&gt;: Corrected use of explicit tagging in X.509 PolicyConstraints class.

VivleSoren &lt;https://github.com/VivleSoren&gt;: additional constructor for McElieceCCA2PrivateKeyParameters.


Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@stud.tu-darmstadt.de&gt;: Initial XMSS/XMSS-MT implementation.


Mike Safonov &lt;https://github.com/MikeSafonov&gt;: initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for ECOSM keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.

Artem Storozhuk &lt;storoj72@064gmail.com&gt;: initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.
Andreas Glaser &lt;andreas.glaser@064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.</li>

codeborne &lt;https://github.com/chxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>

FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.</li>

4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.</li>

ekszz &lt;https://github.com/ekszzz&gt; corrections to SM2 signer to include default identity value.</li>

jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.</li>

str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.</li>

Scott Woodward &lt;scott@064bitconsulting.com&gt; performance fixes for CTRSP800DRBG.</li>

David Straw &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPT bounds checking.</li>

chris mccown &lt;0xchrismccown@064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>

ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patch for SM2 decrypt.</li>

Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().</li>

Armin Lunkeit, Michael Tautenhahn &lt;&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>

Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>

Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>

Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>

Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>

Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>

Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>

catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>

gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>

fgrieu &lt;fgrieu@064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>

MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>

Andreas Gadermaier &lt;up.gadermaier@064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>

Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code.</li>

Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>

Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode.</li>

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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### 1.108 lua-cjson 2.1.0

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1.110 nginx-module-xslt 1.19.2-1~buster

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
OW2

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

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

Apache

The following artifacts are ASL2 licensed.

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

MortBay

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

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas
Assorted

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1.115 go-colorable 0.1.4
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#
src/base/fhash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
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#
src/gzip/adler32.c
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src/gzip/infblock.h
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src/gzip/infcodes.h
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src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF

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1.120 jcodings 1.0.12

1.121 analysis-common 6.8.12

1.121.1 Available under license :

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* /opt/cola/permits/112422502_1611010469.86/0/analysis-common-6-8-12-sources-1-
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1.122 thrift 0.9.2

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lib/csharp/src/Protocol/TBinaryProtocol.cs
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lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs
lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTransport.cs
lib/csharp/src/Transport/TTransportException.cs
lib/csharp/src/Transport/TTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
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jar/java/io/netty/handler/ssl/OpenSslKeyMaterial.java
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 */
/**
 * Set the { @code TCP_MD5SIG} option on the socket. See { @code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in its \{@link ChannelPipeline\}. 

Sub-types

\{@link ChannelHandler\} itself does not provide many methods, but you usually have to implement one of its subtypes:

- \{@link ChannelInboundHandler\} to handle inbound I/O events, and
- \{@link ChannelOutboundHandler\} to handle outbound I/O operations.

Alternatively, the following adapter classes are provided for your convenience:

- \{@link ChannelInboundHandlerAdapter\} to handle inbound I/O events,
- \{@link ChannelOutboundHandlerAdapter\} to handle outbound I/O operations,
- \{@link ChannelDuplexHandler\} to handle both inbound and outbound events

For more information, please refer to the documentation of each subtype.

The context object

A \{@link ChannelHandler\} is provided with a \{@link ChannelHandlerContext\} object. A \{@link ChannelHandler\} is supposed to interact with the \{@link ChannelPipeline\} it belongs to via a context object. Using the context object, the \{@link ChannelHandler\} can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using \{@link AttributeKey\}s) which is specific to the handler.

State management

A \{@link ChannelHandler\} often needs to store some stateful information.

The simplest and recommended approach is to use member variables:
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends \SimpleChannelInboundHandler\Message{
*     \private boolean loggedIn;\n* }
*
*     \@Override
*     public void channelRead0(\ChannelHandlerContext\ ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             loggedIn = true;
*         } else (message instanceof GetDataMessage) {
*             if (loggedIn) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* </pre>
* // Create a new handler instance per channel.
* // See \ChannelInitializer\initChannel(\Channel\). 
* public class DataServerInitializer extends \ChannelInitializer\Channel{
*     \@Override
*     public void initChannel(\Channel\ channel) {
*         channel.pipeline().addLast("handler", new DataServerHandler());
*     }
* }
* </pre>
* </h4>
* Using \AttributeKey\s
* </h4>
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use \AttributeKey\s which is provided by
* \ChannelHandlerContext\:
* </pre>
* public interface Message {
* // your methods here
*
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}<Message>&gt; {  
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =  
*         {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth");}  
*     
*     {  
*         {  
*             if (message instanceof LoginMessage) {  
*                 authenticate((LoginMessage) message);  
*                 &lt;b&gt;attr.set(true)&lt;/b&gt;;  
*             } else (message instanceof GetDataMessage) {  
*                 if (&lt;b&gt;Boolean.TRUE.equals(attr.get())&lt;/b&gt;) {  
*                     ctx.writeAndFlush(fetchSecret((GetDataMessage) message));  
*                 } else {  
*                     fail();  
*                 }  
*             }  
*         }  
*     }  
*     ...
* }  
* }
* </pre>

* Now that the state of the handler is attached to the {@link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;Channel&gt; {  
*     private static final DataServerHandler &lt;b&gt;SHARED&lt;/b&gt; = new DataServerHandler();  
*     
*     {  
*         {  
*             public void initChannel({@link Channel} channel) {  
*                 channel.pipeline().addLast("handler", &lt;b&gt;SHARED&lt;/b&gt;);  
*             }  
*         }  
*     }  
* </pre>

* The {@code @Sharable} annotation
* In the example above which used an {@link AttributeKey},
* you might have noticed the {@code @Sharable} annotation.
* <p>
* If a {@link ChannelHandler} is annotated with the {@code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more {@link ChannelPipeline}s multiple times without
a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like a href="http://www.javaconcurrencyinpractice.com/annotations/doc/" the JCIP annotations.

Additional resources worth reading

Please refer to the ChannelHandler, and ChannelPipeline to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/

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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/bootstrap/BootstrapConfig.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/util/EventExecutorGroup.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/handler/codec/http2/DefaultHttp2WindowUpdateFrame.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/util/internal/logging/Log4J2LoggerFactory.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java
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  jar/java/io/netty/channel/unix/PeerCredentials.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/channel/unix/PeerCredentials.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/META-INF/maven/io.netty/netty-buffer/pom.xml

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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/channel/AbstractChannelHandlerContext.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/compression/DecompressionException.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/compression/ZlibDecoder.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/rtsp/RtspResponseEncoder.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/marshalling/UnmarshallProvider.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/util/internal/logging/Log4JLoggerFactory.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/http/DefaultCookie.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/channel/socket/DatagramPacket.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/channel/AbstractServerChannel.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/channel/DefaultFileRegion.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/http/HttpContentEncoder.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/http/HttpResponse.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/http/multipart/DefaultHttpDataFactory.java
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jar/java/io/netty/handler/logging/LogLevel.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2.jar/java/io/netty/handler/codec/http/multipart/InterfaceHttpPostRequestDecoder.java
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*/ jar/java/io/netty/handler/codec/http2/EmptyHttp2Headers.java  
*/ /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-  
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jar/java/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandler.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
jar/java/io/netty/handler/codec/http2/DefaultHttp2LocalFlowController.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
jar/java/io/netty/util/collection/LongCollections.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/http2/DefaultHttp2UnknownFrame.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/ssl/Conscrypt.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2.jar/java/io/netty-buffer/AdvancedLeakAwareByteBuf.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2.jar/java/io/netty/util/concurrent/DefaultProgressivePromise.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2.jar/java/io/netty/handler/codec/http/FullHttpResponse.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2.jar/java/io/netty/handler/codec/spdy/DefaultSpdySynReplyFrame.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2.jar/java/io/netty/channel/DefaultChannelId.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2.jar/java/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2.jar/java/io/netty/util/ReferenceCounted.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2.jar/java/io/netty/handler/codec/spdy/DefaultSpdyRstStreamFrame.java
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 */
/**
 * Set the \@code TCP_MD5SIG\@endcode option on the socket. See \@code linux/tcp.h\@endcode for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/*
/**
 * Set the {code TCP_QUICKACK} option on the socket. See <a href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/util/internal/logging/FormattingTuple.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/util/internal/logging/JdkLogger.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
jar/java/org/jctools/util/Pow2.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
jar/java/org/jctools/maps/NonBlockingIdentityHashMap.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-
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jar/java/org/jctools/maps/ConcurrentAutoTable.java
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  jar/java/io/netty/handler/codec/http2/Http2StreamVisitor.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandlerBuilder.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/resolver/AbstractAddressResolver.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/http/HttpToHttp2ConnectionHandlerBuilder.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java
* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/channel/pool/package-info.java

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 */
/*
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 *<p>
 *{@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 *that it can decode any message with a length field, which is often seen in
 *proprietary client-server protocols. Here are some example that will give
 *you the basic idea on which option does what.
 */
The value of the length field in this example is 12 (0x0C) which represents the length of "HELLO, WORLD". By default, the decoder assumes that the length field represents the number of the bytes that follows the length field. Therefore, it can be decoded with the simplistic parameter combination.

```
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
```

Because we can get the length of the content by calling `ByteBuf#readableBytes()`, you might want to strip the length field by specifying `initialBytesToStrip`. In this example, we specified 2, that is same with the length of the length field, to strip the first two bytes.

```
lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+
* </pre>
```

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero length value in this example message.
* is always greater than the body length by \(<tt>2</tt>\), we specify \(<tt>-2</tt>\) for compensation.
* \(<tt>pre</tt>\)

* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* \(<tt>b</tt>\)lengthAdjustment\(<tt>b</tt>\)   = \(<tt>b</tt>-2\)(= the length of the Length field)
* initialBytesToStrip = 0

* BEFORE DECODE (14 bytes)          AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* |  Length | Actual Content |----->|  Length | Actual Content |
* | 0x000E  | "HELLO, WORLD" |      | 0x000E  | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>

* \(<tt>h3</tt>\)3 bytes length field at the end of 5 bytes header, do not strip header\(<tt>h3</tt>\)

* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. \(<tt>lengthAdjustment</tt>\) is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* \(<tt>pre</tt>\)

* \(<tt>b</tt>\)lengthFieldOffset\(<tt>b</tt>\)   = \(<tt>b</tt>-2\)(= the length of Header 1)
* \(<tt>b</tt>\)lengthFieldLength\(<tt>b</tt>\)   = \(<tt>b</tt>-3\)
* lengthAdjustment    = 0
* initialBytesToStrip = 0

* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Header 1 |  Length  | Actual Content |----->|  Header 1 |  Length  | Actual Content |
* | 0xCAFE   | 0x00000C | "HELLO, WORLD" |      | 0xCAFE   | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>

* \(<tt>h3</tt>\)3 bytes length field at the beginning of 5 bytes header, do not strip header\(<tt>h3</tt>\)

* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive \(<tt>lengthAdjustment</tt>\) so that the decoder counts the extra
* header into the frame length calculation.
* \(<tt>pre</tt>\)

* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* \(<tt>b</tt>\)lengthAdjustment\(<tt>b</tt>\)   = \(<tt>b</tt>-2\)(= the length of Header 1)
* initialBytesToStrip = 0

* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-------------------------------+      +-------------------------------+

2 bytes length field at offset 1 in the middle of 4 bytes header,
strip the first header field and the length field</h3>

This is a combination of all the examples above. There are the prepended
header before the length field and the extra header after the length field.
The prepended header affects the lengthFieldOffset and the extra
header affects the lengthAdjustment. We also specified a non-zero
header from the frame. If you don't want to strip the prepended header, you
could specify initialBytesToStrip for initialBytesToSkip.

lengthFieldOffset = 1 (= the length of HDR1)
lengthFieldLength = 2
lengthAdjustment = 1 (= the length of HDR2)
initialBytesToStrip = 3 (= the length of HDR1 + LEN)

BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
HDR1 | Length | HDR2 | Actual Content |
0xCA | 0x000C | 0xFE | "HELLO, WORLD" |
+--------+--------+----------------+
</pre>

Let's give another twist to the previous example. The only difference from
the previous example is that the length field represents the length of the
whole message instead of the message body, just like the third example.
We have to count the length of HDR1 and Length into lengthAdjustment.
Please note that we don't need to take the length of HDR2 into account
because the length field already includes the whole header length.

lengthFieldOffset = 1
lengthFieldLength = 2
lengthAdjustment = -3 (= the length of HDR1 + LEN, negative)
initialBytesToStrip = 3

BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
HDR1 | Length | HDR2 | Actual Content |
0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |
+--------+--------+----------------+
Found in path(s):
/netty-6-3-2-1-sources-2-
jar/java/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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</project>

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* /opt/cola/permits/1110745832_1606848357_0/0/netty-6-3-2-1-sources-2-
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* /opt/cola/permits/1110745832_1606848357_0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/util/concurrent/FastThreadLocalThread.java
* /opt/cola/permits/1110745832_1606848357_0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/channel/DefaultChannelHandlerContext.java
* /opt/cola/permits/1110745832_1606848357_0/0/netty-6-3-2-1-sources-2-
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* /opt/cola/permits/1110745832_1606848357_0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/util/internal/CleanerJava6.java
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* /opt/cola/permits/1110745832_1606848357_0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/handler/traffic/TrafficCounter.java
* /opt/cola/permits/1110745832_1606848357_0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /opt/cola/permits/1110745832_1606848357_0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/traffic/package-info.java
* /opt/cola/permits/1110745832_1606848357_0/0/netty-6-3-2-1-sources-2-
  jar/java/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
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/*
// https://tools.ietf.org/html/rfc7540#section-8.1.2.2 makes a special exception for TE

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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/http2/HttpConversionUtil.java
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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/internal/tcnative/SSL.java

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 */

/**
 * Utility class for [ByteBuf] that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * <p>
 * The encoding and decoding algorithm in this class has been derived from
 * <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
 * Base64 Encoder/Decoder</a>.
 */

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* /opt/cola/permits/1110745832_1606848357.0/0/netty-6-3-2-1-sources-2-jar/java/io/netty/handler/codec/base64/Base64.java
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1.138 zookeeper 3.4.14-4c25d480e66aadd371de8bd2fd8da255ac140b

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1.139 nginx-module-geoip 1.19.2-1~buster
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1.140 debconf 1.5.61
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1.141 pam 1.3.1-r3

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1.142 lua-cjson 2.1.0

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1.143 commons-collections 4.1

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1.144 zookeeper-jute 3.5.8

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1.145 kexec-tools 2.0.15 43.el7

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THE BASIC LIBRARY FUNCTIONS

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

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

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

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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

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org.ow2.asm:asm-commons
org.ow2.asm:asm
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    org.apache.taglibs:taglibs-standard-spec
    org.apache.taglibs:taglibs-standard-impl

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

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

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

    org.eclipse.jetty.toolchain:jetty-schemas

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1.160 apk-tools 2.10.1-r0

1.161 mgo 3.0.3-0ubuntu1~18.04.1
1.161.1 Available under license:

mgo - MongoDB driver for Go

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1.162 xpp 6.5.0

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1.163 jackson-annotations 2.9.0

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1.164 jline-reader 3.10.0

1.165 guice 4.2.2

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The remaining code was written by many people associated with the
Info-ZIP group, with large contributions from (but not limited to):
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, unzinfo),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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The decompression core code for the deflate method (inflate.[ch],
explode.c) was originally written by Mark Adler who submitted it
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1.169 gopsutil 2.20.4

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1.170 redis 4.0.11

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1.171 cobra 3.1.9-2.el7
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1.172 x-text 3.1.9-2.el7

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1.173 mime-pull 1.9.7-1~18.04

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1.174 alsa 1.2.1.2-r0

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END OF TERMS AND CONDITIONS

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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
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the precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a “work based on the library” and a “work that uses the library”. The former contains code derived from the library, while the latter only works together with the library.

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

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

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

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entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

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

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that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

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1.182 google-uuid 3.0.3-0ubuntu1~18.04.1

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Paul Borman <borman@google.com>
bmatsuo
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1.183 debianutils 4.8.6.1

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1.187 log4j-api 2.11.1

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1.189 query 6.8.2

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1.190 reporter-config 3.0.3

1.191 chunkio 1.0.3

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1.195 commons-cli 1.1

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Mathieu Desnoyers
May 13th, 2009
IBM Corporation allowed LGPLv2.1+ licensing of their contribution to the userspace RCU library in a patch submitted on May 8, 2009 from Paul E. McKenney and reviewed by Steven L. Bennett:


I (Mathieu Desnoyers) re-implemented ACCESS_ONCE(), likely(), unlikely() and barrier() from scratch without reference to the original code.

commit id: 2dc5fa0f7cfbf0a64a7a67b39626650e863f16a

Bert Wesarg <bert.wesarg@googlemail.com> approved LGPL relicensing of his patch in an email dated May 13, 2009:

http://lkml.org/lkml/2009/5/13/16

xchg() primitives has been rewritten from a MIT-licensed cmpxchg for Intel and powerpc. They are MIT-licensed and therefore usable in LGPL code. This cmpxchg code was obtained from the atomic_ops project:

http://www.hpl.hp.com/research/linux/atomic_ops/

I (Mathieu Desnoyers) wrote the remainder of the code.

The license for the library files in this project was therefore changed to LGPLv2.1 on May 13, 2009, as detailed in LICENSE.

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1.205 coreutils 8.26 3

1.205.1 Available under license:

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Gocheck - A rich testing framework for Go

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

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to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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Version 2.1, February 1999

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NOSL
NPL-1.0
NPL-1.1
NPOSLO-3.0
NRL
NTP
Naumen
Net-SNMP
NetCDF
Newsletr
Nokia
Noweb
Nunit
OCCT-PL
OCLC-2.0
ODbL-1.0
OFL-1.0
OFL-1.1
OGTSL
OLDAP-1.1
OLDAP-1.2
OLDAP-1.3
OLDAP-1.4
OLDAP-2.0
OLDAP-2.0.1
OLDAP-2.1
OLDAP-2.2
OLDAP-2.2.1
OLDAP-2.2.2
OLDAP-2.3
OLDAP-2.4
StandardML-NJ
SugarCRM-1.1.3
TCL
TCP-wrappers
TMate
TORQUE-1.1
TOSL
UPL-1.0
Unicode-DFS-2015
Unicode-DFS-2016
Unicode-TOU
Unlicense
VOSTROM
VSL-1.0
Vim
W3C
W3C-19980720
W3C-20150513
WTFPL
WXwindows
Watcom-1.0
Wsuipa
X11
XFree86-1.1
XSkat
Xerox
Xnet
YPL-1.0
YPL-1.1
ZPL-1.1
ZPL-2.0
ZPL-2.1
Zed
Zend-2.0
Zimbra-1.3
Zimbra-1.4
Zlib
bzip2-1.0.5
bzip2-1.0.6
curl
diffmark
dvipdfm
eCos-2.0
eGenix
gSOAP-1.3b
gnuplot
iMatix
libtiff
mpich2
psfrag
psutils
xinetd
xpp
zlib-acknowledgement
).freeze

# exception identifiers
EXCEPTION_IDENTIFIERS = %w(
  389-exception
  Autoconf-exception-2.0
  Autoconf-exception-3.0
  Bison-exception-2.2
  Bootloader-exception
  CLISP-exception-2.0
  Classpath-exception-2.0
  DigiRule-FOSS-exception
  FLTK-exception
  Fawkes-Runtime-exception
  Font-exception-2.0
  GCC-exception-2.0
  GCC-exception-3.1
  LZMA-exception
  Libtool-exception
  Linux-syscall-note
  Nokia-Qt-exception-1.1
  OCCT-exception-1.0
  Qwt-exception-1.0
  WXWindows-exception-3.1
  eCos-exception-2.0
  freertos-exception-2.0
  gnu-javamail-exception
  i2p-gpl-java-exception
  mif-exception
  openvpn-openssl-exception
  u-boot-exception-2.0
).freeze

REGEXP = %r{
  \A
  (#{Regexp.union(LICENSE_IDENTIFIERS)}
   \+?\s \+\s #{Regexp.union(EXCEPTION_IDENTIFIERS)}?
   | #{NONSTANDARD}
   )
  \Z
def self.match?(license)
  !REGEXP.match(license).nil?
end

def self.suggestions(license)
  by_distance = LICENSE_IDENTIFIERS.group_by { |identifier| 
    levenshtein_distance(identifier, license) }
  end
  lowest = by_distance.keys.min
  return unless lowest < license.size
  by_distance[lowest]
end

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1.212 go-restful 2.6.0+incompatible
1.212.1 Available under license:
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1.215 jnr-x86asm 1.0.2

1.216 libxcb 1.13.1-r0
1.216.1 Available under license :
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1.217 asm-debug-all 5.1

1.218 jetty-servlet 9.4.18.v20190429

1.218.1 Available under license :

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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

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

-----

Apache

The following artifacts are ASL2 licensed.

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

-----

MortBay

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

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

-----

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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1.221 jackson-module-afterburner 2.9.10

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1.228 curl 7.63.0

1.228.1 Available under license :

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===============

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1.229 jakarta activation api 1.2.1

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1.230 jackson-databind 2.9.10.1

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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.

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

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

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with the Library, with the complete machine-readable "work that
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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.

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

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

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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.

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
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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.

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

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

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

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

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

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

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

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one
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which the executable runs, unless that component itself accompanies
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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

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

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

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

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

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

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whatever part of its purpose remains meaningful.

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

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

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

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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1.237 j2objc-annotations 1.1

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1.242 opensaml-profile-impl 3.3.0

1.243 libevent 2.0.21 4.el7
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1.244 apt 1.8.2

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses.html
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1.259 libnuma 2.0.9-7.el7

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Summary: Library for tuning for Non Uniform Memory Access machines
Version: 2.0.9
Release: 7%{?dist}
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1.260 cmux 3.1.9-2.el7

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1.261 rcrowley-go-metrics 0.0.0-20181016184325

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration

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This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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```

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Protocol Buffers for Go with Gadgets

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1.284 go-playground-universal-translator

1.1.8

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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/embedded/EmbeddedChannelId.java
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jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
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jar/io/netty/channel/group/ChannelGroupException.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelProgressiveFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/group/DefaultChannelGroup.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelServerChannelServerExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ConnectTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelId.java
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 */

/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its [@link ChannelPipeline].
 *
 * @link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>[@link ChannelInboundHandler} to handle inbound I/O events, and</li>
 * <li>[@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
 * </ul>
 * </p>
 * <p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li>[@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
 * <li>[@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
 * <li>[@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
 */
<h3>The context object</h3>

A `@link ChannelHandler` is provided with a `@link ChannelHandlerContext` object. A `@link ChannelHandler` is supposed to interact with the `@link ChannelPipeline` it belongs to via a context object. Using the context object, the `@link ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using `@link AttributeKey`)s which is specific to the handler.

<h3>State management</h3>

A `@link ChannelHandler` often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public class DataServerHandler extends `@link SimpleChannelInboundHandler<Message>` {
    `private boolean loggedIn;`

    `@Override`
    public void channelRead0(`@link ChannelHandlerContext` ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            `loggedIn = true;`
        } else if (message instanceof GetDataMessage) {
            if (`loggedIn`) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                `fail();`
            }
        }
        ...
    }
}
```

Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where a unauthenticated client can get the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See [@link ChannelInitializer#initChannel(Channel)].
* public class DataServerInitializer extends [@link ChannelInitializer] &lt;[@link Channel]&gt; {
*     [@code @Override]
*     public void initChannel( [@link Channel] channel) {
*         channel.pipeline().addLast("handler", &lt;b&gt;new DataServerHandler&lt;/b&gt;);
*     }
* }
* </pre>

* &lt;h4&gt;Using [@link AttributeKey]s&lt;/h4&gt;
* 
* Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances.
* In such a case, you can use [@link AttributeKey]s which is provided by [@link ChannelHandlerContext]:
* <pre>
* public interface Message {
*     // your methods here
* }
* 
* [@code @Sharable]
* public class DataServerHandler extends [@link SimpleChannelInboundHandler] &lt;[@link Message]&gt; {
*     private final [@link AttributeKey] &lt;[@link Boolean]&gt; auth =
*             [@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")];
* 
*     [@code @Override]
*     public void channelRead( [@link ChannelHandlerContext] ctx, Message message) {
*         Attribute&lt;Boolean&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             attr.set(true);
*         } else (message instanceof GetDataMessage) {
*             if (&lt;b&gt;Boolean.TRUE.equals(attr.get())&lt;/b&gt;) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
* Now that the state of the handler is attached to the [@link ChannelHandlerContext], you can add the same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends [@link ChannelInitializer] {
  *
  * private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
  *
  * { @code @Override }
  * public void initChannel([@link Channel] channel) {
  *     channel.pipeline().addLast("handler", <b>SHARED</b>);
  * } 
  *
  * } 
  *
  *
  * <h4>The [@code Sharable] annotation</h4>
  *
  * In the example above which used an [@link AttributeKey],
  * you might have noticed the [@code Sharable] annotation.
  *
  * If a [@link ChannelHandler] is annotated with the [@code Sharable]
  * annotation, it means you can create an instance of the handler just once and
  * add it to one or more [@link ChannelPipeline]s multiple times without
  * a race condition.
  *
  * If this annotation is not specified, you have to create a new handler
  * instance every time you add it to a pipeline because it has unshared state
  * such as member variables.
  *
  * This annotation is provided for documentation purpose, just like
  *
  * <h3>Additional resources worth reading</h3>
  *
  * Please refer to the [@link ChannelHandler], and
  * [@link ChannelPipeline] to find out more about inbound and outbound operations,
  * what fundamental differences they have, how they flow in a pipeline, and how to handle
  * the operation in your application.
  */

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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/FileRegion.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/SocketChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/SucceededChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/local/LocalChannelRegistry.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/local/LocalServerChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/nio/AbstractNioMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelPromise.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelPipelineException.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/SingleThreadEventLoop.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/SocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/DefaultEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelPipeline.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/DatagramPacket.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/local/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelOutboundHandler.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/nio/NioEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelMetadata.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/group/ChannelGroupFutureListener.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/NioEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelInboundHandler.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/group/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/oio/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/oio/OioServerSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/oio/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/AbstractChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/nio/AbstractNioChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/InternetProtocolFamily.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/nio/NioSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/oio/OioDatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/oio/AbstractOioChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/DefaultEventLoop.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/CompleteChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/bootstrap/AbstractBootstrap.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/ChannelInboundHandlerAdapter.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/DefaultChannelPromise.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/channel/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/DefaultChannelPipeline.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/nio/NioEventLoop.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/internal/ChannelUtils.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java

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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/nio/NioChannelOption.java

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/*
 #ifndef UV_BSD_H
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 #define UV_PLATFORM_FS_EVENT_FIELDS
 uv__io_t event_watcher;

 #define UV_IO_PRIVATE_PLATFORM_FIELDS
 int rcount;
 int wcount;

 #define UV_HAVE_KQUEUE 1

 #endif /* UV_BSD_H */
 */

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1.307 keyutils 1.6.1-r0

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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 the initial saa7146 driver and its recent overhaul

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for his work on the initial Linux DVB driver

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(in case you are wondering where CyberLogin is, EON changed its login
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single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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Version 1.0

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{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
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}
#endif

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Video4Linux interface and 2.1.x kernel adaptation

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bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)

/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on loss of link, and correctly re-enable PHY when link is re-established. (put back CFG_PHYIE)
* 
* Modifed to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* 
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
Implementing minimal-copy of received data:

IDT always receives data into a small buffer, then large buffers as needed. This means that data must always be copied to create the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

Fix is simple: make large buffers large enough to hold entire SDU, and leave <small_buffer_data> bytes empty at the start. Then copy small buffer contents to head of large buffer.

Trick is to avoid fragmenting Linux, due to need for a lot of large buffers. This is done by 2 things:

1) skb->destructor / skb->atm.recycle_buffer combined, allow nicstar_free_rx_skb to be called to recycle large data buffers
2) skb_clone of received buffers

See nicstar_free_rx_skb and linearize_buffer for implementation details.

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M. Welsh, 6 July 1996

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1.317 reflections 0.9.11

1.318 less 458 9.el7

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1.327 mariadb 5.5.65 1.el7

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1.329 make 3.82 24.el7

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It is part of the main e2fsprogs distribution, which can be found at:

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Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/
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- trivial database library - private includes
- 
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Theodore Ts'o
23-June-2007

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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
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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
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6.
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
1.331 go-grpc-prometheus 1.2.1-0.20191002090509-6af20e3a5340

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1.332 dash 0.5.10.2 5

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1.335 error_prone_annotations 2.0.18

1.336 golang-lru 0.5.3

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**1.338 sysv-init 2.93 9**

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1.341 libcap-ng 0.7.7-3+b1

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1.342 hamcrest-library 1.3

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    func initMit() {
        Licenses["mit"] = License{
            Name:        "MIT License",
            PossibleMatches: []string{"mit"},
            Header: "Permission is hereby granted, free of charge, to any person obtaining a copy
            of this software and associated documentation files (the "Software"), to deal
            in the Software without restriction, including without limitation the rights
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        }
    }
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func initApache2() {
    Licenses["apache"] = License{
        Name:         "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
        Header: `Licensed under the Apache License, Version 2.0 (the "License");
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func initBsdClause2() {
    Licenses["freebsd"] = License{
        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
            "2 clause bsd", "simplified bsd license"},
        Header: `All rights reserved.
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func initBsdClause3() {
    Licenses["bsd"] = License{
        Name:            "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
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func initGpl2() {
    Licenses["gpl2"] = License{
        Name: "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
    }
}
Header:

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    Licenses["gpl3"] = License{
        Name: "GNU General Public License 3.0",
        PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
        Header: `This program is free software: you can redistribute it and/or modify
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analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
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analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
and the initial implementation of incremental propagation, including
the following new or changed files:

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

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
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lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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1.358 eclipse-compiler 3.10.2.v20150120 1634
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*******************************************************************************/

package org.eclipse.text.edits;

import org.eclipse.jface.text.BadLocationException;
import org.eclipse.jface.text.IDocument;

/**
 * A <code>CopyingRangeMarker</code> can be used to track positions when executing
 * text edits. Additionally a copying range marker stores a local copy of the
 * text it captures when it gets executed.
 * @since 3.0
 */
public final class CopyingRangeMarker extends TextEdit {

private String fText;

/**
 * Creates a new <tt>CopyRangeMarker</tt> for the given
 * offset and length.
 * @param offset the marker's offset
 * @param length the marker's length
 */
public CopyingRangeMarker(int offset, int length) {
    super(offset, length);
}

/*
 * Copy constructor
 */
private CopyingRangeMarker(CopyingRangeMarker other) {

}
super(other);
  fText= other.fText;
}
/* non Java-doc
 * @see TextEdit#doCopy
 */
protected TextEdit doCopy() {
  return new CopyingRangeMarker(this);
}
/*
 * @see TextEdit#accept0
 */
protected void accept0(TextEditVisitor visitor) {
  boolean visitChildren = visitor.visit(this);
  if (visitChildren) {
    acceptChildren(visitor);
  }
}
/* non Java-doc
 * @see TextEdit#performDocumentUpdating
 */
/* package */ int performDocumentUpdating(IDocument document) throws BadLocationException {
  fText= document.get(getOffset(), getLength());
  fDelta= 0;
  return fDelta;
}
/* non Java-doc
 * @see TextEdit#deleteChildren
 */
/* package */ boolean deleteChildren() {
  return false;
}
</?xml version="1.0" encoding="ISO-8859-1" ?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
<title>Eclipse Public License - Version 1.0</title>
<style type="text/css">
  body {
    size: 8.5in 11.0in;
  }
</style>
</head>
<body>
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1.359 commons-codec 1.11

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src/fmtcheck.c
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src/arc4random.c
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src/arc4random_uniform.c
src/arc4random_unix.h
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src/getentropy_aix.c
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import java.beans.PropertyChangeEvent;
import java.lang.reflect.Array;
import java.lang.reflect.Constructor;
import java.lang.reflect.InvocationTargetException;
import java.lang.reflect.Modifier;
import java.lang.reflect.UndeclaredThrowableException;
import java.security.PrivilegedActionException;
import java.util.ArrayList;
import java.util.Collection;
import java.util.HashMap;
import java.util.Iterator;
import java.util.List;
import java.util.Map;
import java.util.Optional;
import java.util.Set;
import java.util.Optional;

import org.apache.commons.logging.Log;
import org.apache.commons.logging.LogFactory;

import org.springframework.core.CollectionFactory;
import org.springframework.core.ResolvableType;
import org.springframework.core.convert.ConversionException;
import org.springframework.core.convert.ConverterNotFoundException;
import org.springframework.core.convert.TypeDescriptor;
import org.springframework.lang.Nullable;
import org.springframework.util.Assert;
import org.springframework.util.ObjectUtils;
import org.springframework.util.StringUtils;

/**
 * A basic [link ConfigurablePropertyAccessor] that provides the necessary
 * infrastructure for all typical use cases.
 *
 * <p>This accessor will convert collection and array values to the corresponding
 * target collections or arrays, if necessary. Custom property editors that deal
 * with collections or arrays can either be written via PropertyEditor's
 * [setValue], or against a comma-delimited String via [setAsText],
 * as String arrays are converted in such a format if the array itself is not
 * assignable.
 *
 * @author Juergen Hoeller
public abstract class AbstractNestablePropertyAccessor extends AbstractPropertyAccessor {

  private static final Log logger = LogFactory.getLog(AbstractNestablePropertyAccessor.class);

  private int autoGrowCollectionLimit = Integer.MAX_VALUE;

  @Nullable
  Object wrappedObject;

  private String nestedPath = "";

  @Nullable
  Object rootObject;

  /** Map with cached nested Accessors: nested path -> Accessor instance. */
  @Nullable
  private Map<String, AbstractNestablePropertyAccessor> nestedPropertyAccessors;

  protected AbstractNestablePropertyAccessor() {
    this(true);
  }

  protected AbstractNestablePropertyAccessor(boolean registerDefaultEditors) {
    this(true);
  }

  @Override
  public Class<?> getWrappedClass() {
    return super.getWrappedClass();
  }

  @Override
  public PropertyEditor getEditor() {
    return super.getEditor();
  }

  @Override
  public boolean hasEditor() {
    return super.hasEditor();
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance) {
    this(wrappedInstance, true);
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance, boolean registerDefaultEditors) {
    super.setWrappedInstance(wrappedInstance, registerDefaultEditors);
  }

  @Override
  public boolean isAutoGrowCollectionLimitExceeded() {
    return super.isAutoGrowCollectionLimitExceeded();
  }

  @Override
  public void setAutoGrowCollectionLimit(int limit) {
    super.setAutoGrowCollectionLimit(limit);
  }

  @Override
  public String getNestedPath() {
    return nestedPath;
  }

  @Override
  public void setNestedPath(String nestedPath) {
    this.nestedPath = nestedPath;
  }

  @Override
  public Object getRootObject() {
    return rootObject;
  }

  @Override
  public void setRootObject(Object rootObject) {
    this.rootObject = rootObject;
  }

  @Override
  public Object getWrappedObject() {
    return wrappedObject;
  }

  @Override
  public void setWrappedObject(Object wrappedObject) {
    this.wrappedObject = wrappedObject;
  }

  @Override
  public void setWrappedObject(Object wrappedObject, boolean registerDefaultEditors) {
    super.setWrappedObject(wrappedObject, registerDefaultEditors);
  }

  @Override
  public AbstractNestablePropertyAccessor cloneAccessors() {
    return (AbstractNestablePropertyAccessor) super.cloneAccessors();
  }

  @Override
  public PropertyEditorRegistrySupport getEditorRegistrySupport() {
    return (PropertyEditorRegistrySupport) super.getEditorRegistrySupport();
  }

  @Override
  public BeanWrapper getBeanWrapper() {
    return (BeanWrapper) super.getBeanWrapper();
  }

  @Override
  public void setWrappedObject(Object wrappedObject, boolean registerDefaultEditors) {
    super.setWrappedObject(wrappedObject, !registerDefaultEditors);
  }

  @Override
  public PropertyEditor getEditor(boolean registerDefaultEditors) {
    return super.getEditor(!registerDefaultEditors);
  }

  @Override
  public boolean hasEditor(boolean registerDefaultEditors) {
    return super.hasEditor(!registerDefaultEditors);
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance, boolean registerDefaultEditors) {
    super.setWrappedInstance(wrappedInstance, !registerDefaultEditors);
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance) {
    super.setWrappedInstance(wrappedInstance, false);
  }

  @Override
  public String getNestedPath(boolean registerDefaultEditors) {
    return nestedPath;
  }

  @Override
  public void setNestedPath(String nestedPath, boolean registerDefaultEditors) {
    this.nestedPath = nestedPath;
  }

  @Override
  public Object getRootObject(boolean registerDefaultEditors) {
    return rootObject;
  }

  @Override
  public void setRootObject(Object rootObject, boolean registerDefaultEditors) {
    this.rootObject = rootObject;
  }

  @Override
  public Object getWrappedObject(boolean registerDefaultEditors) {
    return wrappedObject;
  }

  @Override
  public void setWrappedObject(Object wrappedObject, boolean registerDefaultEditors) {
    super.setWrappedObject(wrappedObject, !registerDefaultEditors);
  }

  @Override
  public AbstractNestablePropertyAccessor cloneAccessors(boolean registerDefaultEditors) {
    return (AbstractNestablePropertyAccessor) super.cloneAccessors(!registerDefaultEditors);
  }

  @Override
  public PropertyEditorRegistrySupport getEditorRegistrySupport(boolean registerDefaultEditors) {
    return (PropertyEditorRegistrySupport) super.getEditorRegistrySupport(!registerDefaultEditors);
  }

  @Override
  public BeanWrapper getBeanWrapper(boolean registerDefaultEditors) {
    return (BeanWrapper) super.getBeanWrapper(!registerDefaultEditors);
  }

  @Override
  public void setWrappedObject(Object wrappedObject, boolean registerDefaultEditors) {
    super.setWrappedObject(wrappedObject, !registerDefaultEditors);
  }

  @Override
  public PropertyEditor getEditor(boolean registerDefaultEditors) {
    return super.getEditor(!registerDefaultEditors);
  }

  @Override
  public boolean hasEditor(boolean registerDefaultEditors) {
    return super.hasEditor(!registerDefaultEditors);
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance, boolean registerDefaultEditors) {
    super.setWrappedInstance(wrappedInstance, !registerDefaultEditors);
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance) {
    super.setWrappedInstance(wrappedInstance, false);
  }

  @Override
  public String getNestedPath(boolean registerDefaultEditors) {
    return nestedPath;
  }

  @Override
  public void setNestedPath(String nestedPath, boolean registerDefaultEditors) {
    this.nestedPath = nestedPath;
  }

  @Override
  public Object getRootObject(boolean registerDefaultEditors) {
    return rootObject;
  }

  @Override
  public void setRootObject(Object rootObject, boolean registerDefaultEditors) {
    this.rootObject = rootObject;
  }

  @Override
  public Object getWrappedObject(boolean registerDefaultEditors) {
    return wrappedObject;
  }

  @Override
  public void setWrappedObject(Object wrappedObject, boolean registerDefaultEditors) {
    super.setWrappedObject(wrappedObject, !registerDefaultEditors);
  }

  @Override
  public AbstractNestablePropertyAccessor cloneAccessors(boolean registerDefaultEditors) {
    return (AbstractNestablePropertyAccessor) super.cloneAccessors(!registerDefaultEditors);
  }

  @Override
  public PropertyEditorRegistrySupport getEditorRegistrySupport(boolean registerDefaultEditors) {
    return (PropertyEditorRegistrySupport) super.getEditorRegistrySupport(!registerDefaultEditors);
  }

  @Override
  public BeanWrapper getBeanWrapper(boolean registerDefaultEditors) {
    return (BeanWrapper) super.getBeanWrapper(!registerDefaultEditors);
  }

  @Override
  public void setWrappedObject(Object wrappedObject, boolean registerDefaultEditors) {
    super.setWrappedObject(wrappedObject, !registerDefaultEditors);
  }

  @Override
  public PropertyEditor getEditor(boolean registerDefaultEditors) {
    return super.getEditor(!registerDefaultEditors);
  }

  @Override
  public boolean hasEditor(boolean registerDefaultEditors) {
    return super.hasEditor(!registerDefaultEditors);
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance, boolean registerDefaultEditors) {
    super.setWrappedInstance(wrappedInstance, !registerDefaultEditors);
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance) {
    super.setWrappedInstance(wrappedInstance, false);
  }

  @Override
  public String getNestedPath(boolean registerDefaultEditors) {
    return nestedPath;
  }

  @Override
  public void setNestedPath(String nestedPath, boolean registerDefaultEditors) {
    this.nestedPath = nestedPath;
  }

  @Override
  public Object getRootObject(boolean registerDefaultEditors) {
    return rootObject;
  }

  @Override
  public void setRootObject(Object rootObject, boolean registerDefaultEditors) {
    this.rootObject = rootObject;
  }

  @Override
  public Object getWrappedObject(boolean registerDefaultEditors) {
    return wrappedObject;
  }

  @Override
  public void setWrappedObject(Object wrappedObject, boolean registerDefaultEditors) {
    super.setWrappedObject(wrappedObject, !registerDefaultEditors);
  }

  @Override
  public AbstractNestablePropertyAccessor cloneAccessors(boolean registerDefaultEditors) {
    return (AbstractNestablePropertyAccessor) super.cloneAccessors(!registerDefaultEditors);
  }

  @Override
  public PropertyEditorRegistrySupport getEditorRegistrySupport(boolean registerDefaultEditors) {
    return (PropertyEditorRegistrySupport) super.getEditorRegistrySupport(!registerDefaultEditors);
  }

  @Override
  public BeanWrapper getBeanWrapper(boolean registerDefaultEditors) {
    return (BeanWrapper) super.getBeanWrapper(!registerDefaultEditors);
  }

  @Override
  public void setWrappedObject(Object wrappedObject, boolean registerDefaultEditors) {
    super.setWrappedObject(wrappedObject, !registerDefaultEditors);
  }

  @Override
  public PropertyEditor getEditor(boolean registerDefaultEditors) {
    return super.getEditor(!registerDefaultEditors);
  }

  @Override
  public boolean hasEditor(boolean registerDefaultEditors) {
    return super.hasEditor(!registerDefaultEditors);
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance, boolean registerDefaultEditors) {
    super.setWrappedInstance(wrappedInstance, !registerDefaultEditors);
  }

  @Override
  public void setWrappedInstance(Object wrappedInstance) {
    super.setWrappedInstance(wrappedInstance, false);
  }

  @Override
  public String getNestedPath(boolean registerDefaultEditors) {
    return nestedPath;
protected AbstractNestablePropertyAccessor(boolean registerDefaultEditors) {
    if (registerDefaultEditors) {
        registerDefaultEditors();
    }
    this.typeConverterDelegate = new TypeConverterDelegate(this);
}

/**
 * Create a new accessor for the given object.
 * @param object object wrapped by this accessor
 */
protected AbstractNestablePropertyAccessor(Object object) {
    registerDefaultEditors();
    setWrappedInstance(object);
}

/**
 * Create a new accessor, wrapping a new instance of the specified class.
 * @param clazz class to instantiate and wrap
 */
protected AbstractNestablePropertyAccessor(Class<?> clazz) {
    registerDefaultEditors();
    setWrappedInstance(BeanUtils.instantiateClass(clazz));
}

/**
 * Create a new accessor for the given object,
 * registering a nested path that the object is in.
 * @param object object wrapped by this accessor
 * @param nestedPath the nested path of the object
 * @param rootObject the root object at the top of the path
 */
protected AbstractNestablePropertyAccessor(Object object, String nestedPath, Object rootObject) {
    registerDefaultEditors();
    setWrappedInstance(object, nestedPath, rootObject);
}

/**
 * Create a new accessor for the given object,
 * registering a nested path that the object is in.
 * @param object object wrapped by this accessor
 * @param nestedPath the nested path of the object
 * @param parent the containing accessor (must not be [ @code null])
 */
protected AbstractNestablePropertyAccessor(Object object, String nestedPath, AbstractNestablePropertyAccessor parent) {
    setWrappedInstance(object, nestedPath, parent.getWrappedInstance());
}
public void setAutoGrowCollectionLimit(int autoGrowCollectionLimit) {
    this.autoGrowCollectionLimit = autoGrowCollectionLimit;
}

/**
 * Specify a limit for array and collection auto-growing.
 * Default is unlimited on a plain accessor.
 */
public int getAutoGrowCollectionLimit() {
    return this.autoGrowCollectionLimit;
}

/**
 * Switch the target object, replacing the cached introspection results only
 * if the class of the new object is different to that of the replaced object.
 * @param object the new target object
 */
public void setWrappedInstance(Object object, Nullable String nestedPath, Nullable Object rootObject) {
    this.wrappedObject = ObjectUtils.unwrapOptional(object);
    Assert.notNull(this.wrappedObject, "Target object must not be null");
    this.nestedPath = (nestedPath != null ? nestedPath : "");
    this.rootObject = (!this.nestedPath.isEmpty() ? rootObject : this.wrappedObject);
    this.nestedPropertyAccessors = null;
    this.typeConverterDelegate = new TypeConverterDelegate(this, this.wrappedObject);
}

public final Object getWrappedInstance() {
Assert.state(this.wrappedObject != null, "No wrapped object");
return this.wrappedObject;
}

public final Class<?> getWrappedClass() {
return getWrappedInstance().getClass();
}

/**
 * Return the nested path of the object wrapped by this accessor.
 *
 */
public final String getNestedPath() {
return this.nestedPath;
}

/**
 * Return the root object at the top of the path of this accessor.
 * @see #getNestedPath
 *
 */
public final Object getRootInstance() {
Assert.state(this.rootObject != null, "No root object");
return this.rootObject;
}

/**
 * Return the class of the root object at the top of the path of this accessor.
 * @see #getNestedPath
 *
 */
public final Class<?> getRootClass() {
return getRootInstance().getClass();
}

@Override
public void setPropertyValue(String propertyName, @Nullable Object value) throws BeansException {
AbstractNestablePropertyAccessor nestedPa;
try {
nestedPa = getPropertyAccessorForPropertyPath(propertyName);
}
catch (NotReadablePropertyException ex) {
throw new NotWritablePropertyException(getRootClass(), this.nestedPath + propertyName,
"Nested property in path " + propertyName + " does not exist", ex);
}
PropertyTokenHolder tokens = getPropertyNameTokens(getFinalPath(nestedPa, propertyName));
nestedPa.setPropertyValue(tokens, new PropertyValue(propertyName, value));
}

@Override
public void setPropertyValue(PropertyValue pv) throws BeansException {

PropertyTokenHolder tokens = (PropertyTokenHolder) pv.resolvedTokens;
if (tokens == null) {
    String propertyName = pv.getName();
    AbstractNestablePropertyAccessor nestedPa;
    try {
        nestedPa = getPropertyAccessorForPropertyPath(propertyName);
    } catch (NotReadablePropertyException ex) {
        throw new NotWritablePropertyException(getRootClass(), this.nestedPath + propertyName,
                "Nested property in path ":token=propertyName + ":" does not exist", ex);
    }
    tokens = getPropertyNameTokens(getFinalPath(nestedPa, propertyName));
    if (nestedPa == this) {
        pv.getOriginalPropertyValue().resolvedTokens = tokens;
    }
    nestedPa.setPropertyValue(tokens, pv);
} else {
    setPropertyValue(tokens, pv);
}

protected void setPropertyValue(PropertyTokenHolder tokens, PropertyValue pv) throws BeansException {
    if (tokens.keys != null) {
        processKeyedProperty(tokens, pv);
    } else {
        processLocalProperty(tokens, pv);
    }
}

@SuppressWarnings("unchecked")
private void processKeyedProperty(PropertyTokenHolder tokens, PropertyValue pv) {
    Object propValue = getPropertyHoldingValue(tokens);
    PropertyHandler ph = getLocalPropertyHandler(tokens.actualName);
    if (ph == null) {
        throw new InvalidPropertyException(
                getRootClass(), this.nestedPath + tokens.actualName, "No property handler found");
    }
    Assert.state(tokens.keys != null, "No token keys");
    String lastKey = tokens.keys[tokens.keys.length - 1];

    if (propValue.getClass().isArray()) {
        Class<?> requiredType = propValue.getClass().getComponentType();
        int arrayIndex = Integer.parseInt(lastKey);
        Object oldValue = null;
        try {
            if (isExtractOldValueForEditor() && arrayIndex < Array.getLength(propValue)) {
                oldValue = Object []
            }
        }
    }
}
oldValue = Array.get(propValue, arrayIndex);
}
Object convertedValue = convertIfNecessary(tokens.canonicalName, oldValue, pv.getValue(),
requiredType, ph.nested(tokens.keys.length));
int length = Array.getLength(propValue);
if (arrayIndex >= length && arrayIndex < this.autoGrowCollectionLimit) {
Class<?> componentType = propValue.getClass().getComponentType();
Object newArray = Array.newInstance(componentType, arrayIndex + 1);
System.arraycopy(propValue, 0, newArray, 0, length);
setPropertyValue(tokens.actualName, newArray);
propValue = getPropertyValue(tokens.actualName);
} Array.set(propValue, arrayIndex, convertedValue);
}
catch (IndexOutOfBoundsException ex) {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.canonicalName,
"Invalid array index in property path " + tokens.canonicalName + ",", ex);
}
else if (propValue instanceof List) {
Class<?> requiredType = ph.getCollectionType(tokens.keys.length);
List<Object> list = (List<Object>) propValue;
int index = Integer.parseInt(lastKey);
Object oldValue = null;
if (isExtractOldValueForEditor() && index < list.size()) {
oldValue = list.get(index);
}
Object convertedValue = convertIfNecessary(tokens.canonicalName, oldValue, pv.getValue(),
requiredType, ph.nested(tokens.keys.length));
int size = list.size();
if (index >= size && index < this.autoGrowCollectionLimit) {
for (int i = size; i < index; i++) {
try {
list.add(null);
}
catch (NullPointerException ex) {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.canonicalName,
"Cannot set element with index " + index + " in List of size " +
size + ",", accessed using property path " + tokens.canonicalName + ",",
"List does not support filling up gaps with null elements");
}
list.add(convertedValue);
}
else {
try {
list.set(index, convertedValue);
}
catch (IndexOutOfBoundsException ex) {
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.canonicalName, "Invalid list index in property path "+ tokens.canonicalName + ",\"", ex);
}

else if (propValue instanceof Map) {
    Class<?> mapKeyType = ph.getMapKeyType(tokens.keys.length);
    Class<?> mapValueType = ph.getMapValueType(tokens.keys.length);
    Map<Object, Object> map = (Map<Object, Object>) propValue;
    // IMPORTANT: Do not pass full property name in here - property editors
    // must not kick in for map keys but rather only for map values.
    TypeDescriptor typeDescriptor = TypeDescriptor.valueOf(mapKeyType);
    Object convertedMapKey = convertIfNecessary(null, null, lastKey, mapKeyType, typeDescriptor);
    Object oldValue = null;
    if (isExtractOldValueForEditor()) {
        oldValue = map.get(convertedMapKey);
    }
    // Pass full property name and old value in here, since we want full
    // conversion ability for map values.
    Object convertedMapValue = convertIfNecessary(tokens.canonicalName, oldValue, pv.getValue(), mapValueType, ph.nested(tokens.keys.length));
    map.put(convertedMapKey, convertedMapValue);
}

else {
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.canonicalName, "Property referenced in indexed property path "+ tokens.canonicalName + ",\"" is neither an array nor a List nor a Map; returned value was [" + propValue + "]\"";
}

private Object getPropertyHoldingValue(PropertyTokenHolder tokens) {
    // Apply indexes and map keys: fetch value for all keys but the last one.
    Assert.state(tokens.keys != null, "No token keys");
    PropertyTokenHolder getterTokens = new PropertyTokenHolder(tokens.actualName);
    getterTokens.canonicalName = tokens.canonicalName;
    getterTokens.keys = new String[tokens.keys.length - 1];
    System.arraycopy(tokens.keys, 0, getterTokens.keys, 0, tokens.keys.length - 1);

    Object propValue;
    try {
        propValue = getPropertyValue(getterTokens);
    }
    catch (NotReadablePropertyException ex) {
        throw new NotWritablePropertyException(getRootClass(), this.nestedPath + tokens.canonicalName,}
"Cannot access indexed value in property referenced " +
"in indexed property path " + tokens.canonicalName + "", ex);
}

if (propValue == null) {
 // null map value case
if (isAutoGrowNestedPaths()) {
    int lastKeyIndex = tokens.canonicalName.lastIndexOf('[');
    getterTokens.canonicalName = tokens.canonicalName.substring(0, lastKeyIndex);
    propValue = setDefaultValue(getterTokens);
    }
else {
    throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + tokens.canonicalName,
    "Cannot access indexed value in property referenced " +
    "in indexed property path " + tokens.canonicalName + ": returned null");
    }
}
return propValue;
}

private void processLocalProperty(PropertyTokenHolder tokens, PropertyValue pv) {
    PropertyHandler ph = getLocalPropertyHandler(tokens.actualName);
    if (ph == null || !ph.isWritable()) {
        if (pv.isOptional()) {
            if (logger.isDebugEnabled()) {
                logger.debug("Ignoring optional value for property "+
                        tokens.actualName + " - property not found on bean class " + getRootClass().getName() + "]");
            }
            return;
        }
        else {
            throw createNotWritablePropertyException(tokens.canonicalName);
        }
    }
    Object oldValue = null;
    try {
        Object originalValue = pv.getValue();
        Object valueToApply = originalValue;
        if (!Boolean.FALSE.equals(pv.conversionNecessary)) {
            if (pv.isConverted()) {
                valueToApply = pv.getConvertedValue();
            }
            else {
                if (isExtractOldValueForEditor() && ph.isReadable()) {
                    try {
                        oldValue = ph.getValue();
                    }
                }
            }
        }
    } finally {
        if (!Boolean.FALSE.equals(pv.conversionNecessary)) {
            if (pv.isConverted()) {
                valueToApply = pv.getConvertedValue();
            }
            else {...
            }
catch (Exception ex) {
if (ex instanceof PrivilegedActionException) {
    ex = ((PrivilegedActionException) ex).getException();
}
if (logger.isDebugEnabled()) {
    logger.debug("Could not read previous value of property "+
        this.nestedPath + tokens.canonicalName + "", ex);
}
}
valueToApply = convertForProperty(
tokens.canonicalName, oldValue, originalValue, ph.toTypeDescriptor());
}

pv.getOriginalPropertyValue().conversionNecessary = (valueToApply != originalValue);
}
ph.setValue(valueToApply);
}
catch (TypeMismatchException ex) {
    throw ex;
}
catch (InvocationTargetException ex) {
    PropertyChangeEvent propertyChangeEvent = new PropertyChangeEvent(
        getRootInstance(), this.nestedPath + tokens.canonicalName, oldValue, pv.getValue());
    if (ex.getTargetException() instanceof ClassCastException) {
        throw new TypeMismatchException(propertyChangeEvent, ph.getPropertyType(), ex.getTargetException());
    } else {
        Throwable cause = ex.getTargetException();
        if (cause instanceof UndeclaredThrowableException) {
            // May happen e.g. with Groovy-generated methods
            cause = cause.getCause();
        }
        throw new MethodInvocationException(propertyChangeEvent, cause);
    }
}
catch (Exception ex) {
    PropertyChangeEvent pce = new PropertyChangeEvent(
        getRootInstance(), this.nestedPath + tokens.canonicalName, oldValue, pv.getValue());
    throw new MethodInvocationException(pce, ex);
}
}

@Nullable
@Nullable
public Class<?> getPropertyType(String propertyName) throws BeansException {
try {
    PropertyHandler ph = getPropertyHandler(propertyName);
    if (ph != null) {
return ph.getPropertyType();
}
else {
// Maybe an indexed/mapped property...
Object value = getPropertyValue(propertyName);
if (value != null) {
return value.getClass();
}
// Check to see if there is a custom editor,
// which might give an indication on the desired target type.
Class<?> editorType = guessPropertyTypeFromEditors(propertyName);
if (editorType != null) {
return editorType;
}
}

try {
AbstractNestablePropertyAccessor nestedPa = getPropertyAccessorForPropertyPath(propertyName);
String finalPath = getFinalPath(nestedPa, propertyName);
PropertyTokenHolder tokens = getPropertyNameTokens(finalPath);
PropertyHandler ph = nestedPa.getLocalPropertyHandler(tokens.actualName);
if (ph != null) {
if (tokens.keys != null) {
if (ph.isReadable() || ph.isWritable()) {
return ph.nested(tokens.keys.length);
}
}
else {
if (ph.isReadable() || ph.isWritable()) {
return ph.toTypeDescriptor();
}
}
}
}

@Nullable
@NonNull
public TypeDescriptor getPropertyTypeDescriptor(String propertyName) throws BeansException {
try {
AbstractNestablePropertyAccessor nestedPa = getPropertyAccessorForPropertyPath(propertyName);
String finalPath = getFinalPath(nestedPa, propertyName);
PropertyTokenHolder tokens = getPropertyNameTokens(finalPath);
PropertyHandler ph = nestedPa.getLocalPropertyHandler(tokens.actualName);
if (ph != null) {
if (tokens.keys != null) {
if (ph.isReadable() || ph.isWritable()) {
return ph.nested(tokens.keys.length);
}
}
else {
if (ph.isReadable() || ph.isWritable()) {
return ph.toTypeDescriptor();
}
}
}

catch (InvalidPropertyException ex) {
// Consider as not determinable.
}
return null;
}
public boolean isReadableProperty(String propertyName) {
    try {
        PropertyHandler ph = getPropertyHandler(propertyName);
        if (ph != null) {
            return ph.isReadable();
        } else {
            // Maybe an indexed/mapped property...
            getValue(propertyName);
            return true;
        }
    } catch (InvalidPropertyException ex) {
        // Cannot be evaluated, so can't be readable.
    }
    return false;
}

public boolean isWritableProperty(String propertyName) {
    try {
        PropertyHandler ph = getPropertyHandler(propertyName);
        if (ph != null) {
            return ph.isWritable();
        } else {
            // Maybe an indexed/mapped property...
            getValue(propertyName);
            return true;
        }
    } catch (InvalidPropertyException ex) {
        // Cannot be evaluated, so can't be writable.
    }
    return false;
}

@Nullable
private Object convertIfNecessary(@Nullable String propertyName, @Nullable Object oldValue, 
        @Nullable Object newValue, @Nullable Class<?> requiredType, @Nullable TypeDescriptor td) 
        throws TypeMismatchException {
    Assert.state(this.typeConverterDelegate != null, "No TypeConverterDelegate");
    try {
        return this.typeConverterDelegate.convertIfNecessary(propertyName, oldValue, newValue, requiredType, td);
    }
catch (ConverterNotFoundException | IllegalStateException ex) {
    PropertyChangeEvent pce =
    new PropertyChangeEvent(getRootInstance(), this.nestedPath + propertyName, oldValue, newValue);
    throw new ConversionNotSupportedException(pce, requiredType, ex);
}
catch (ConversionException | IllegalArgumentException ex) {
    PropertyChangeEvent pce =
    new PropertyChangeEvent(getRootInstance(), this.nestedPath + propertyName, oldValue, newValue);
    throw new TypeMismatchException(pce, requiredType, ex);
}
}

@Nullable
protected Object convertForProperty(
    String propertyName, @Nullable Object oldValue, @Nullable Object newValue, TypeDescriptor td)
throws TypeMismatchException {
    return convertIfNecessary(propertyName, oldValue, newValue, td.getType(), td);
}

@Override
@Nullable
public Object getPropertyValue(String propertyName) throws BeansException {
    AbstractNestablePropertyAccessor nestedPa = getPropertyAccessorForPropertyPath(propertyName);
    PropertyTokenHolder tokens = getPropertyNameTokens(getFinalPath(nestedPa, propertyName));
    return nestedPa.getPropertyValue(tokens);
}

@SuppressWarnings("unchecked")
@Nullable
protected Object getPropertyValue(PropertyTokenHolder tokens) throws BeansException {
    String propertyName = tokens.canonicalName;
    String actualName = tokens.actualName;
    PropertyHandler ph = getLocalPropertyHandler(actualName);
    if (ph == null || !ph.isReadable()) {
        throw new NotReadablePropertyException(getRootClass(), this.nestedPath + propertyName);
    }
    try {
        Object value = ph.getValue();
        if (tokens.keys != null) {
            if (value == null) {
                if (isAutoGrowNestedPaths()) {
                    value = setDefaultValue(new PropertyTokenHolder(tokens.actualName));
                } else {
                    throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + propertyName,
                    "Cannot access indexed value of property referenced in indexed \" +
                    "property path \" + propertyName + ": returned null");
                }
            }
        } else {
            throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + propertyName,
            "Cannot access indexed value of property referenced in indexed \" +
            "property path \" + propertyName + ": returned null");
        }
    }
    return value;
}
StringBuilder indexedPropertyName = new StringBuilder(tokens.actualName);
// apply indexes and map keys
for (int i = 0; i < tokens.keys.length; i++) {
    String key = tokens.keys[i];
    if (value == null) {
        throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + propertyName,
            "Cannot access indexed value of property referenced in indexed " + 
            "property path " + propertyName + ": returned null");
    } else if (value.getClass().isArray()) {
        int index = Integer.parseInt(key);
        value = growArrayIfNecessary(value, index, indexedPropertyName.toString());
        value = Array.get(value, index);
    } else if (value instanceof List) {
        int index = Integer.parseInt(key);
        List<Object> list = (List<Object>) value;
        growCollectionIfNecessary(list, index, indexedPropertyName.toString(), ph, i + 1);
        value = list.get(index);
    } else if (value instanceof Set) {
        // Apply index to Iterator in case of a Set.
        Set<Object> set = (Set<Object>) value;
        int index = Integer.parseInt(key);
        if (index < 0 || index >= set.size()) {
            throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
                "Cannot get element with index " + index + ", from Set of size " + 
                set.size() + ", accessed using property path " + propertyName + ");
        }
        Iterator<Object> it = set.iterator();
        for (int j = 0; it.hasNext(); j++) {
            Object elem = it.next();
            if (j == index) {
                value = elem;
                break;
            }
        }
    } else if (value instanceof Map) {
        Map<Object, Object> map = (Map<Object, Object>) value;
        Class<?> mapKeyType = ph.getResolvableType().getNested(i + 1).asMap().resolveGeneric(0);
        // IMPORTANT: Do not pass full property name in here - property editors
        // must not kick in for map keys but rather only for map values.
        TypeDescriptor typeDescriptor = TypeDescriptor.valueOf(mapKeyType);
        Object convertedMapKey = convertIfNecessary(null, null, key, mapKeyType, typeDescriptor);
        value = map.get(convertedMapKey);
else {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
"Property referenced in indexed property path "+ propertyName + "+ is neither an array nor a List nor a Set nor a Map; returned value was ["+ value + "]");
}
indexedPropertyName.append(PROPERTY_KEY_PREFIX).append(key).append(PROPERTY_KEY_SUFFIX);
}
return value;
}
catch (IndexOutOfBoundsException ex) {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
"Index of out of bounds in property path "+ propertyName + ",", ex);
}
catch (NumberFormatException | TypeMismatchException ex) {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
"Invalid index in property path "+ propertyName + ",", ex);
}
catch (InvocationTargetException ex) {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
"Getter for property "+ actualName + "+ threw exception", ex);
}
catch (Exception ex) {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
"Illegal attempt to get property "+ actualName + "+ threw exception", ex);
}
}

/**
 * Return the [link PropertyHandler] for the specified [code propertyName], navigating
 * if necessary. Return [code null] if not found rather than throwing an exception.
 * @param propertyName the property to obtain the descriptor for
 * @return the property descriptor for the specified property,
 * or [code null] if not found
 * @throws BeansException in case of introspection failure
 */
@Nullable
protected PropertyHandler getPropertyHandler(String propertyName) throws BeansException {
Assert.notNull(propertyName, "Property name must not be null");
AbstractNestablePropertyAccessor nestedPa = getPropertyAccessorForPropertyPath(propertyName);
return nestedPa.getLocalPropertyHandler(getFinalPath(nestedPa, propertyName));
}

/**
 * Return a [link PropertyHandler] for the specified local [code propertyName].
 * Only used to reach a property available in the current context.
 */
* @param propertyName the name of a local property
* @return the handler for that property, or [ @code null] if it has not been found
*/
@Nullable
protected abstract PropertyHandler getLocalPropertyHandler(String propertyName);

/**
 * Create a new nested property accessor instance.
 * Can be overridden in subclasses to create a PropertyAccessor subclass.
 * @param object object wrapped by this PropertyAccessor
 * @param nestedPath the nested path of the object
 * @return the nested PropertyAccessor instance
 */
protected abstract AbstractNestablePropertyAccessor newNestedPropertyAccessor(Object object, String
nestedPath);

/**
 * Create a [ @link NotWritablePropertyException] for the specified property.
 */
protected abstract NotWritablePropertyException createNotWritablePropertyException(String propertyName);

private Object growArrayIfNecessary(Object array, int index, String name) {
    if (!isAutoGrowNestedPaths()) {
        return array;
    }
    int length = Array.getLength(array);
    if (index >= length && index < this.autoGrowCollectionLimit) {
        Class<? extends Object> componentType = array.getClass().getComponentType();
        Object newArray = Array.newInstance(componentType, index + 1);
        System.arraycopy(array, 0, newArray, 0, length);
        for (int i = length; i < newArray.length; i++) {
            Array.set(newArray, i, newValue(componentType, null, name));
        }
        setPropertyValue(name, newArray);
        Object defaultValue = getPropertyValue(name);
        Assert.state(defaultValue != null, "Default value must not be null");
        return defaultValue;
    } else {
        return array;
    }
}

private void growCollectionIfNecessary(Collection<Object> collection, int index, String name,
PropertyHandler ph, int nestingLevel) {
    if (!isAutoGrowNestedPaths()) {

return;
}
int size = collection.size();
if (index >= size && index < this.autoGrowCollectionLimit) {
Class<?> elementType = ph.getResolvableType().getNested(nestingLevel).asCollection().resolveGeneric();
if (elementType != null) {
for (int i = collection.size(); i < index + 1; i++) {
collection.add(newValue(elementType, null, name));
}
}
}
}

/**
 * Get the last component of the path. Also works if not nested.
 * @param pa property accessor to work on
 * @param nestedPath property path we know is nested
 * @return last component of the path (the property on the target bean)
 */
protected String getFinalPath(AbstractNestablePropertyAccessor pa, String nestedPath) {
if (pa == this) {
return nestedPath;
}
return nestedPath.substring(PropertyAccessorUtils.getLastNestedPropertySeparatorIndex(nestedPath) + 1);
}

/**
 * Recursively navigate to return a property accessor for the nested property path.
 * @param propertyPath property path, which may be nested
 * @return a property accessor for the target bean
 */
@SuppressWarnings("unchecked") // avoid nested generic
protected AbstractNestablePropertyAccessor getPropertyAccessorForPropertyPath(String propertyPath) {
int pos = PropertyAccessorUtils.getFirstNestedPropertySeparatorIndex(propertyPath);
// Handle nested properties recursively.
if (pos > -1) {
String nestedProperty = propertyPath.substring(0, pos);
String nestedPath = propertyPath.substring(pos + 1);
AbstractNestablePropertyAccessor nestedPa = getNestedPropertyAccessor(nestedProperty);
return nestedPa.getPropertyAccessorForPropertyPath(nestedPath);
} else {
return this;
}
}

/**
 * Retrieve a Property accessor for the given nested property.
* Create a new one if not found in the cache.
* <p>Note: Caching nested PropertyAccessors is necessary now,
* to keep registered custom editors for nested properties.
* @param nestedProperty property to create the PropertyAccessor for
* @return the PropertyAccessor instance, either cached or newly created
*/
private AbstractNestablePropertyAccessor getNestedPropertyAccessor(String nestedProperty) {
  if (this.nestedPropertyAccessors == null) {
    this.nestedPropertyAccessors = new HashMap<>();
  }
  // Get value of bean property.
  PropertyTokenHolder tokens = getPropertyNameTokens(nestedProperty);
  String canonicalName = tokens.canonicalName;
  Object value = getPropertyValue(tokens);
  if (value == null || (value instanceof Optional && !((Optional) value).isPresent())) {
    if (isAutoGrowNestedPaths()) {
      value = setDefaultValue(tokens);
    } else {
      throw new NullPointerException(getRootClass(), this.nestedPath + canonicalName);
    }
  }
  // Lookup cached sub-PropertyAccessor, create new one if not found.
  AbstractNestablePropertyAccessor nestedPa = this.nestedPropertyAccessors.get(canonicalName);
  if (nestedPa == null || nestedPa.getWrappedInstance() != ObjectUtils.unwrapOptional(value)) {
    if (logger.isTraceEnabled()) {
      logger.trace("Creating new nested " + getClass().getSimpleName() + " for property '" + canonicalName + "'");
    }
    nestedPa = new NestedPropertyAccessor(value, this.nestedPath + canonicalName + NESTED_PROPERTY_SEPARATOR);
    // Inherit all type-specific PropertyEditors.
    copyDefaultEditorsTo(nestedPa);
    copyCustomEditorsTo(nestedPa, canonicalName);
    this.nestedPropertyAccessors.put(canonicalName, nestedPa);
  } else {
    if (logger.isTraceEnabled()) {
      logger.trace("Using cached nested property accessor for property '" + canonicalName + "'");
    }
  }
  return nestedPa;
}

private Object setDefaultValue(PropertyTokenHolder tokens) {
  PropertyValue pv = createDefaultPropertyValue(tokens);
  setPropertyValue(tokens, pv);
  Object defaultValue = getPropertyValue(tokens);
Assert.state(defaultValue != null, "Default value must not be null");
return defaultValue;

private PropertyValue createDefaultPropertyValue(PropertyTokenHolder tokens) {
  TypeDescriptor desc = getPropertyTypeDescriptor(tokens.canonicalName);
  if (desc == null) {
    throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + tokens.canonicalName,
        "Could not determine property type for auto-growing a default value");
  }
  Object defaultValue = newValue(desc.getType(), desc, tokens.canonicalName);
  return new PropertyValue(tokens.canonicalName, defaultValue);
}

private Object newValue(Class<?> type, @Nullable TypeDescriptor desc, String name) {
  try {
    if (type.isArray()) {
      Class<?> componentType = type.getComponentType();
      // TODO - only handles 2-dimensional arrays
      if (componentType.isArray()) {
        Object array = Array.newInstance(componentType, 1);
        Array.set(array, 0, Array.newInstance(componentType.getComponentType(), 0));
        return array;
      } else {
        return Array.newInstance(componentType, 0);
      }
    } else if (Collection.class.isAssignableFrom(type)) {
      TypeDescriptor elementDesc = (desc != null ? desc.getElementTypeDescriptor() : null);
      return CollectionFactory.createCollection(type, (elementDesc != null ? elementDesc.getType() : null), 16);
    } else if (Map.class.isAssignableFrom(type)) {
      TypeDescriptor keyDesc = (desc != null ? desc.getMapKeyTypeDescriptor() : null);
      return CollectionFactory.createMap(type, (keyDesc != null ? keyDesc.getType() : null), 16);
    } else {
      Constructor<?> ctor = type.getDeclaredConstructor();
      if (Modifier.isPrivate(ctor.getModifiers())) {
        throw new IllegalAccessException("Auto-growing not allowed with private constructor: " + ctor);
      }
      return BeanUtils.instantiateClass(ctor);
    }
  }
  catch (Throwable ex) {
    throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + name,
        "Could not instantiate property type [" + type.getName() + "] to auto-grow nested property path", ex);
  }
}
}
/**
* Parse the given property name into the corresponding property name tokens.
* @param propertyName the property name to parse
* @return representation of the parsed property tokens
*/
private PropertyTokenHolder getPropertyNameTokens(String propertyName) {
String actualName = null;
List<String> keys = new ArrayList<>(2);
int searchIndex = 0;
while (searchIndex != -1) {
int keyStart = propertyName.indexOf(PROPERTY_KEY_PREFIX, searchIndex);
searchIndex = -1;
if (keyStart != -1) {
int keyEnd = propertyName.indexOf(PROPERTY_KEY_SUFFIX, keyStart +
PROPERTY_KEY_PREFIX.length());
if (keyEnd != -1) {
if (actualName == null) {
actualName = propertyName.substring(0, keyStart);
}
String key = propertyName.substring(keyStart + PROPERTY_KEY_PREFIX.length(), keyEnd);
if (key.length() > 1 && (key.startsWith("'") && key.endsWith("'")) ||
(key.startsWith("\"") && key.endsWith("\""))) {
key = key.substring(1, key.length() - 1);
}
keys.add(key);
searchIndex = keyEnd + PROPERTY_KEY_SUFFIX.length();
}
}
}
PropertyTokenHolder tokens = new PropertyTokenHolder(actualName != null ? actualName : propertyName);
if (!keys.isEmpty()) {
tokens.canonicalName += PROPERTY_KEY_PREFIX +
StringUtils.collectionToDelimitedString(keys, PROPERTY_KEY_SUFFIX + PROPERTY_KEY_PREFIX) +
PROPERTY_KEY_SUFFIX;
tokens.keys = StringUtils.toStringArray(keys);
}
return tokens;
}
@Override
public String toString() {
StringBuilder sb = new StringBuilder(getClass().getName());
if (this.wrappedObject != null) {
sb.append(": wrapping object [").append(ObjectUtils.identityToString(this.wrappedObject)).append("]");
}
else {

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sb.append("; no wrapped object set");
}
return sb.toString();
}

/**
 * A handler for a specific property.
 */
protected abstract static class PropertyHandler {

private final Class<?> propertyType;

private final boolean readable;

private final boolean writable;

public PropertyHandler(Class<?> propertyType, boolean readable, boolean writable) {
    this.propertyType = propertyType;
    this.readable = readable;
    this.writable = writable;
}

public Class<?> getPropertyType() {
    return this.propertyType;
}

public boolean isReadable() {
    return this.readable;
}

public boolean isWritable() {
    return this.writable;
}

public abstract TypeDescriptor toTypeDescriptor();

public abstract ResolvableType getResolvableType();

@Nullable
public Class<?> getMapKeyType(int nestingLevel) {
    return getResolvableType().getNested(nestingLevel).asMap().resolveGeneric(0);
}

@Nullable
public Class<?> getMapValueType(int nestingLevel) {
    return getResolvableType().getNested(nestingLevel).asMap().resolveGeneric(1);
}
@Nullable
public Class<?> getCollectionType(int nestingLevel) {
    return getResolvableType().getNested(nestingLevel).asCollection().resolveGeneric();
}

@Nullable
public abstract TypeDescriptor nested(int level);

@Nullable
public abstract Object getValue() throws Exception;

public abstract void setValue(@Nullable Object value) throws Exception;

/**
 * Holder class used to store property tokens.
 */
protected static class PropertyTokenHolder {

    public PropertyTokenHolder(String name) {
        this.actualName = name;
        this.canonicalName = name;
    }

    public String actualName;

    public String canonicalName;

    @Nullable
    public String[] keys;

    }

1.369 jetty-http 9.4.16.v20190411
1.369.1 Available under license :
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  and

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

------

Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

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

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPLv2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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

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

-----

Apache

The following artifacts are ASL2 licensed.

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

-----

MortBay

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

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

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

-----

Mortbay

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- web-common_3_0.xsd
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- jsp_2_3.xsd
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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.

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===============================================================================

The inverse error function implementation in the Erf class is based on CUDA code developed by Mike Giles, Oxford-Man Institute of Quantitative Finance, and published in GPU Computing Gems, volume 2, 2010.

===============================================================================

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/*
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package org.apache.cassandra.auth;

import java.util.EnumSet;
import java.util.Set;
import com.google.common.collect.ImmutableSet;
import com.google.common.collect.Sets;

/**
 * An enum encapsulating the set of possible permissions that an authenticated user can have on a resource.
 *
 * IAuthorizer implementations may encode permissions using ordinals, so the Enum order must never change order.
 * Adding new values is ok.
 */

public enum Permission
{
    @Deprecated
    READ,
    @Deprecated
    WRITE,

    // schema and role management
    // CREATE, ALTER and DROP permissions granted on an appropriate DataResource are required for
    // CREATE KEYSSPACE and CREATE TABLE.
    // ALTER KEYSSPACE, ALTER TABLE, CREATE INDEX and DROP INDEX require ALTER permission on
    // relevant DataResource.
    // DROP KEYSPACE and DROP TABLE require DROP permission.
    // In the context of Role management, these permissions may also be granted on a RoleResource.
    // CREATE is only granted on the root-level role resource, and is required to create new roles.
    // ALTER & DROP may be granted on either the root-level role resource, giving permissions on
    // all roles, or on specific role-level resources.
}
CREATE,
ALTER,
DROP,

// data access
SELECT, // required for SELECT on a table
MODIFY, // required for INSERT, UPDATE, DELETE, TRUNCATE on a DataResource.

// permission management
AUTHORIZE, // required for GRANT and REVOKE of permissions or roles.
DESCRIBE, // required on the root-level RoleResource to list all Roles

// UDF permissions
EXECUTE; // required to invoke any user defined function or aggregate

public static final Set<Permission> ALL =
    Sets.immutableEnumSet(EnumSet.range(Permission.CREATE, Permission.EXECUTE));
public static final Set<Permission> NONE = ImmutableSet.of();
}
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<table>
<thead>
<tr>
<th>Package</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>org.apache.cassandra.auth</td>
<td></td>
</tr>
<tr>
<td>org.apache.cassandra.cql3.statements</td>
<td></td>
</tr>
<tr>
<td>org.apache.cassandra.service</td>
<td></td>
</tr>
</tbody>
</table>

**Packages that use `Permission`**

1. `org.apache.cassandra.auth` - Permission is used within this package.
2. `org.apache.cassandra.cql3.statements` - Permission is used within this package.
3. `org.apache.cassandra.service` - Permission is used within this package.
Fields in [a href="/org/apache/cassandra/auth/package-summary.html"]org.apache.cassandra.auth[/a] declared as [a href="/org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth"]Permission[/a] (Fields and Type)

<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Field and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>static java.util.Set&lt;Permission&gt;</td>
<td>ALL</td>
</tr>
<tr>
<td>static java.util.Set&lt;Permission&gt;</td>
<td>NONE</td>
</tr>
</tbody>
</table>

Fields in [a href="/org/apache/cassandra/auth/package-summary.html"]org.apache.cassandra.auth[/a] with type parameters of type [a href="/org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth"]Permission[/a] (Fields and Type)

<table>
<thead>
<tr>
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<td>NONE</td>
</tr>
<tr>
<td>Modifier and Type</td>
<td>Method and Description</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>static Permission</td>
<td><code>valueOf(String name)</code> Returns the enum constant of this type with the specified name.</td>
</tr>
<tr>
<td>static Permission[]</td>
<td><code>values()</code> Returns an array containing the constants of this enum type, in the order they are declared.</td>
</tr>
<tr>
<td><code>java.util.Set&lt;Permission&gt;</code></td>
<td><code>DataResource.values()</code> Returns an array containing the constants of this enum type, in the order they are declared.</td>
</tr>
</tbody>
</table>
Certain permissions are not applicable to particular types of resources.

Returns the set of Permissions that may be applied to this resource.

Certain permissions are not applicable to particular types of resources.
<table>
<thead>
<tr>
<th>Class</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>IResource</td>
<td>authorize(AuthenticatedUser, IResource)</td>
</tr>
<tr>
<td>PermissionsCache</td>
<td>getPermissions(AuthenticatedUser, IResource)</td>
</tr>
<tr>
<td>AuthenticatedUser</td>
<td>getPermissions(IResource)</td>
</tr>
<tr>
<td>CassandraAuthorizer</td>
<td>authorize(AuthenticatedUser, IResource)</td>
</tr>
<tr>
<td>IAuthorizer</td>
<td>authorize(AuthenticatedUser, IResource)</td>
</tr>
<tr>
<td>Permission</td>
<td>Permission</td>
</tr>
<tr>
<td>PermissionsCache</td>
<td>getPermissions</td>
</tr>
<tr>
<td>AuthenticatedUser</td>
<td>getPermissions</td>
</tr>
</tbody>
</table>

Returns a set of permissions of a user on a resource.
<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Method and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>void</code></td>
<td><code>grant</code> (performer, permissions, resource, grantee)</td>
</tr>
<tr>
<td><code>grant</code> (performer, permissions, resource, to)</td>
<td></td>
</tr>
<tr>
<td><code>void</code></td>
<td><code>grant</code> (performer, permissions, resource, grantee)</td>
</tr>
<tr>
<td><code>grant</code> (performer, permissions, resource, grantee)</td>
<td></td>
</tr>
<tr>
<td><code>grant</code> (performer, permissions, resource, grantee)</td>
<td></td>
</tr>
<tr>
<td><code>grant</code> (performer, permissions, resource, grantee)</td>
<td></td>
</tr>
<tr>
<td>Class</td>
<td>Method</td>
</tr>
<tr>
<td>-----------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>AllowAllAuthorizer</td>
<td><code>list(AuthenticatedUser, Set&lt;Permission&gt;, IResource, RoleResource)</code></td>
</tr>
<tr>
<td>CassandraAuthorizer</td>
<td><code>list(AuthenticatedUser, Set&lt;Permission&gt;, IResource, RoleResource)</code></td>
</tr>
<tr>
<td>IAuthorizer</td>
<td><code>list(AuthenticatedUser, Set&lt;Permission&gt;, IResource)</code></td>
</tr>
</tbody>
</table>

Grants a set of permissions on a resource to a role.
<table>
<thead>
<tr>
<th>Method</th>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>list</code></td>
<td><code>RoleResource</code></td>
<td>Returns a list of permissions on a resource granted to a role.</td>
</tr>
<tr>
<td><code>revoke</code></td>
<td><code>AllowAllAuthorizer</code></td>
<td>Revokes permissions on a resource from a role.</td>
</tr>
<tr>
<td><code>revoke</code></td>
<td><code>CassandraAuthorizer</code></td>
<td>Revokes permissions on a resource from a role.</td>
</tr>
<tr>
<td><code>revoke</code></td>
<td><code>IAuthorizer</code></td>
<td>Revokes permissions on a resource from a role.</td>
</tr>
</tbody>
</table>

The `list` method is defined in the `RoleResource` class. It takes four parameters: `performer`, `permissions`, `resource`, and `grantee`. The method returns a list of permissions on a resource granted to a role.

The `revoke` method is defined in the `AllowAllAuthorizer`, `CassandraAuthorizer`, and `IAuthorizer` classes. Each of these methods takes four parameters: `performer`, `permissions`, `resource`, and `revokee`. The `performer` parameter is an `AuthenticatedUser` object, the `permissions` parameter is a `Set` of `Permission` objects, the `resource` parameter is an `IResource` object, and the `revokee` parameter is a `RoleResource` object. The `revoke` method is used to revoke permissions on a resource from a role.
Revokes a set of permissions on a resource from a user.

### Constructors in `org.apache.cassandra.auth` with parameters of type `Permission`

- **`PermissionDetails`**
  ```java
  PermissionDetails(java.lang.String grantee, IResource resource, Permission permission)
  ```

### Uses of `Permission` in `org.apache.cassandra.cql3.statements`

- **Fields**
  ```java
  Permission Permission
  ```

- **Uses of `Permission`**
  ```java
  Permission Permission
  ```
<table>
<thead>
<tr>
<th>Modifier and Type</th>
<th>Field and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>protected java.util.Set&lt;Permission&gt;</code></td>
<td><code>ListPermissionsStatement.permissions</code></td>
</tr>
<tr>
<td><code>protected java.util.Set&lt;Permission&gt;</code></td>
<td><code>PermissionsManagementStatement.permissions</code></td>
</tr>
<tr>
<td><code>void</code></td>
<td><code>AuthenticationStatement.checkPermission(ClientState, Permission, RoleResource)</code></td>
</tr>
</tbody>
</table>

Methods in `org.apache.cassandra.cql3.statements` with parameters of type `Permission`:

- `checkPermission(ClientState, Permission, RoleResource)`
<table>
<thead>
<tr>
<th>Constructor and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>GrantPermissionsStatement</code></td>
</tr>
<tr>
<td><code>ListPermissionsStatement</code></td>
</tr>
<tr>
<td><code>PermissionsManagementStatement</code></td>
</tr>
</tbody>
</table>
<table class="useSummary" border="0" cellpadding="3" cellspacing="0" summary="Use table, listing methods, and an explanation">
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Method and Description</th>
</tr>
<tbody>
<tr class="altColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">ClientState.</span><code><span class="memberNameLink"><a href="../../../../../../org/apache/cassandra/service/ClientState.html#ensureHasPermission-org.apache.cassandra.auth.Permission-org.apache.cassandra.cql3.functions.Function">ensureHasPermission</a></span>(<a href="../../../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>&nbsp;permission,<a href="../../../../../../org/apache/cassandra/cql3/functions/Function.html" title="interface in org.apache.cassandra.cql3.functions">Function</a>&nbsp;function)</code>&nbsp;</td>
</tr>
<tr class="rowColor">
<td class="colFirst"><code>void</code></td>
<td class="colLast"><span class="typeNameLabel">ClientState.</span><code><span class="memberNameLink"><a href="../../../../../../org/apache/cassandra/service/ClientState.html#ensureHasPermission-org.apache.cassandra.auth.Permission">ensureHasPermission</a></span>(<a href="../../../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>&nbsp;permission)</code>&nbsp;</td>
</tr>
</tbody>
</table>
<table>
<thead>
<tr>
<th>Class</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>ClientState</td>
<td><code>ensureHasPermission(Permission perm, IResource resource)</code></td>
</tr>
<tr>
<td>ClientState</td>
<td><code>hasAllKeyspacesAccess(Permission perm)</code></td>
</tr>
<tr>
<td>ClientState</td>
<td><code>hasColumnFamilyAccess(CFMetaData cfm, Permission perm)</code></td>
</tr>
<tr>
<td>ClientState</td>
<td><code>hasColumnFamilyAccess(String keyspace, String columnFamily, Permission perm)</code></td>
</tr>
<tr>
<td>ClientState</td>
<td><code>hasKeyspaceAccess(String keyspace, Permission perm)</code></td>
</tr>
</tbody>
</table>
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package org.apache.cassandra.auth;

import java.util.EnumSet;
import java.util.Set;

import com.google.common.collect.ImmutableSet;
import com.google.common.collect.Sets;

/**
 * An enum encapsulating the set of possible permissions that an authenticated user can have on a resource.
 * IAuthorizer implementations may encode permissions using ordinals, so the Enum order must never change order.
 * Adding new values is ok.
 */
public enum Permission {
    @Deprecated
    READ,
    @Deprecated
    WRITE,
    // schema and role management
    // CREATE, ALTER and DROP permissions granted on an appropriate DataResource are required for
    // CREATE KEYSPACE and CREATE TABLE.
    // ALTER KEYSPACE, ALTER TABLE, CREATE INDEX and DROP INDEX require ALTER permission on the
    // relevant DataResource.
    // DROP KEYSPACE and DROP TABLE require DROP permission.
    // In the context of Role management, these permissions may also be granted on a RoleResource.
    // CREATE is only granted on the root-level role resource, and is required to create new roles.
    // ALTER & DROP may be granted on either the root-level role resource, giving permissions on
    // all roles, or on specific role-level resources.
    CREATE,
    ALTER,
    DROP,
    // data access
    SELECT, // required for SELECT on a table
    MODIFY, // required for INSERT, UPDATE, DELETE, TRUNCATE on a DataResource.
    // permission management
    AUTHORIZE, // required for GRANT and REVOKE of permissions or roles.
DESCRIBE, // required on the root-level RoleResource to list all Roles

// UDF permissions
EXECUTE; // required to invoke any user defined function or aggregate

public static final Set<Permission> ALL =
    Sets.immutableEnumSet(EnumSet.range(Permission.CREATE, Permission.EXECUTE));
public static final Set<Permission> NONE = ImmutableSet.of();

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Enum Permission

All Implemented Interfaces:

public enum <span class="typeNameLabel">Permission</span> extends java.lang.Enum

An enum encapsulating the set of possible permissions that an authenticated user can have on a resource.

IAuthorizer implementations may encode permissions using ordinals, so the Enum order must never change order. Adding new values is ok.

<table>
<thead>
<tr>
<th>Enum Constant and Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTER</td>
</tr>
<tr>
<td>AUTHORIZE</td>
</tr>
<tr>
<td>CREATE</td>
</tr>
<tr>
<td>DESCRIBE</td>
</tr>
<tr>
<td>DROP</td>
</tr>
<tr>
<td>Field Name</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>EXECUTE</td>
</tr>
<tr>
<td>MODIFY</td>
</tr>
<tr>
<td>READ</td>
</tr>
<tr>
<td>SELECT</td>
</tr>
<tr>
<td>WRITE</td>
</tr>
</tbody>
</table>

---

Field Summary

- **EXECUTE**
- **MODIFY**
- **READ** - Deprecated
- **SELECT**
- **WRITE** - Deprecated
<td class="colFirst"><code>static java.util.Set<\a href="/org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>\n</code><td class="colLast"><code><a href="/org/apache/cassandra/auth/Permission.html#NONE">NONE</a></code>&nbsp;</td>
</tr>
</table>
</li>
</ul>
<!-- ========== METHOD SUMMARY =========== -->
<ul class="blockList">
<li class="blockList"><a name="method.summary">
<!--   -->
</a>
<h3>Method Summary</h3>
<table class="memberSummary" border="0" cellpadding="3" cellspacing="0" summary="Method Summary table, listing methods, and an explanation">
<caption><span id="t0" class="activeTableTab">All Methods</span><span class="tabEnd">&nbsp;</span><span id="t1" class="tableTab">Static Methods</span><span class="tabEnd">&nbsp;</span><span id="t4" class="tableTab">Concrete Methods</span></caption>
<tr>
<th class="colFirst" scope="col">Modifier and Type</th>
<th class="colLast" scope="col">Method and Description</th>
</tr>
<tr id="i0" class="altColor">
<td class="colFirst"><code>static <a href="/org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a></code></td>
<td class="colLast"><code><a href="/org/apache/cassandra/auth/Permission.html#valueOf-java.lang.String-">valueOf</a>(java.lang.String&nbsp;name)</code>
<div class="block">Returns the enum constant of this type with the specified name.</div>
</td>
</tr>
<tr id="i1" class="rowColor">
<td class="colFirst"><code>static <a href="/org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a>[]</code></td>
<td class="colLast"><code><a href="/org/apache/cassandra/auth/Permission.html#values-">values</a>()</code>
<div class="block">Returns an array containing the constants of this enum type, in
the order they are declared.</div>
</td>
</tr>
</table>
<ul class="blockList">
<li class="blockList"><a name="methods.inherited.from.class.java.lang.Enum">
<!--   -->
</a>


<h3>Methods inherited from class java.lang.Enum</h3>
<code>clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, 
valueOf</code></li>
</ul>
<ul class="blockList">
<li class="blockList"><a name="methods.inherited.from.class.java.lang.Object">
</a>
<h3>Methods inherited from class java.lang.Object</h3>
<code>getClass, notify, notifyAll, wait, wait, wait</code></li>
</ul>
</div>
<div class="details">
<ul class="blockList">
<li class="blockList">
<!-- ============ ENUM CONSTANT DETAIL =========== -->
<ul class="blockList">
<li class="blockList"><a name="enum.constant.detail">
</a>
<h3>Enum Constant Detail</h3>
<a name="READ">
</a>
<ul class="blockList">
<li class="blockList">
<h4>READ</h4>
<pre>@Deprecated 
public static final java.lang.Permission.READ</pre>
<div class="block">
<span class="deprecatedLabel">Deprecated.</span>
</div>
</li>
</ul>
</li>
<li class="blockList"><a name="WRITE">
</a>
<ul class="blockList">
<li class="blockList">
<h4>WRITE</h4>
<pre>@Deprecated 
public static final java.lang.Permission.WRITE</pre>
</li>
</ul>
</li>
</ul>
</li>
</ul>
</div>
<a name="CREATE">
<!- -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>CREATE</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> CREATE</pre>
</li>
</ul>

<a name="ALTER">
<!- -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>ALTER</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> ALTER</pre>
</li>
</ul>

<a name="DROP">
<!- -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>DROP</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> DROP</pre>
</li>
</ul>

<a name="SELECT">
<!- -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>SELECT</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> SELECT</pre>
</li>
</ul>

<a name="MODIFY">
<!- -->
</a>
<ul class="blockList">
<li class="blockList">
<h4>MODIFY</h4>
<pre>public static final&nbsp;<a href="../../../../org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a> MODIFY</pre>
</li>
</ul>
org.apache.cassandra.auth">Permission</a> MODIFY</pre>

&lt;/li&gt;
&lt;/ul&gt;

&lt;a name="AUTHORIZE"&gt;

&lt;!-- --&gt;
&lt;/a&gt;
&lt;ul class="blockList">
&lt;li class="blockList"&gt;
&lt;h4&gt;AUTHORIZE&lt;/h4&gt;
&lt;pre&gt;public static final&nbsp;&lt;a href="/..://..//..//..//.org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a&gt;&lt;/a&gt; AUTHORIZE&lt;/pre&gt;

&lt;/li&gt;
&lt;/ul&gt;

&lt;a name="DESCRIBE"&gt;

&lt;!-- --&gt;
&lt;/a&gt;
&lt;ul class="blockList">
&lt;li class="blockList"&gt;
&lt;h4&gt;DESCRIBE&lt;/h4&gt;
&lt;pre&gt;public static final&nbsp;&lt;a href="/..://..//..//..//.org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a&gt;&lt;/a&gt; DESCRIBE&lt;/pre&gt;

&lt;/li&gt;
&lt;/ul&gt;

&lt;a name="EXECUTE"&gt;

&lt;!-- --&gt;
&lt;/a&gt;
&lt;ul class="blockListLast"&gt;
&lt;li class="blockList"&gt;
&lt;h4&gt;EXECUTE&lt;/h4&gt;
&lt;pre&gt;public static final&nbsp;&lt;a href="/..://..//..//..//.org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a&gt;&lt;/a&gt; EXECUTE&lt;/pre&gt;

&lt;/li&gt;
&lt;/ul&gt;

&lt;/li&gt;
&lt;/ul&gt;

&lt;!-- ============ FIELD DETAIL =========== --&gt;
&lt;ul class="blockList"&gt;
&lt;li class="blockList"&gt; &lt;a name="field.detail"&gt;

&lt;!-- --&gt;
&lt;/a&gt;
&lt;h3&gt;Field Detail&lt;/h3&gt;
&lt;a name="ALL"&gt;

&lt;!-- --&gt;
&lt;/a&gt;
&lt;ul class="blockList"&gt;
&lt;li class="blockList"&gt;
&lt;h4&gt;ALL&lt;/h4&gt;
&lt;pre&gt;public static final java.util.Set&lt;&lt;a href="/..://..//..//..//.org/apache/cassandra/auth/Permission.html" title="enum in org.apache.cassandra.auth">Permission</a&gt;&lt;/a&gt; ALL&lt;/pre&gt;

&lt;/li&gt;
&lt;/ul&gt;

&lt;!-- --&gt;
&lt;/a&gt;

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<h4>NONE</h4>
<pre>public static final java.util.Set&lt;Permission&gt; NONE</pre>

<p>Methods</p>
<h3>Method Detail</h3>
<h4>values</h4>
<pre>public static Permission[] values()</pre>

<p>Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:</p>
<pre>for (Permission c : Permission.values())
    System.out.println(c);
</pre>

<dt>Returns:</dt>
<dd>an array containing the constants of this enum type, in the order they are declared</dd>
public static Permission valueOf(java.lang.String name)

Returns the enum constant of this type with the specified name. The string must match exactly an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:
name - the name of the enum constant to be returned.

Returns:
the enum constant with the specified name

Throws:
java.lang.IllegalArgumentException - if this enum type has no constant with the specified name
java.lang.NullPointerException - if the argument is null

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compiler/cpp/src/generate/t_ocaml_generator.cc
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compiler/cpp/src/generate/t_rb_generator.cc
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compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thriftl.ll
compiler/cpp/src/thrifty.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TList.cs
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1.380 jackson 2.8.11

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1.381 adduser 3.115

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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He rewrote most of it.

Since May 20 2000, it is maintained by Roland Bauerschmidt <rb@debian.org>. 
Since March 24 2004, it is maintained by Roland Bauerschmidt
<rb@debian.org>, and co-maintained by Marc Haber
<mh+debian-packages@zugenschl.de>

Since 23 Oct 2005, it has been maintained by Joerg Hoh <joerg@joerghoh.de>

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1.382 base-files 10.3+deb10u6

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1.384 bcpkix-jdk15on 1.64

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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/http/timers/request/HttpRequestAbortTask.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/http/timers/client/ClientExecutionTimer.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/log/CommonsLog.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/PredefinedClientConfigurations.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/http/timers/client/ClientExecutionTimeoutException.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/util/SdkHttpUtils.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/http/settings/HttpClientSettings.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/handlers/HandlerContextKey.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/SystemDefaultDnsResolver.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/http/DelegatingDnsResolver.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/SdkThreadLocals.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/http/timers/request/HttpRequestParam.java

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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/util/TimingInfoUnmodifiable.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/SdkGlobalTime.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-
ar.jar/com/amazonaws/protocol/json/SdkCborGenerator.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-
ar.jar/com/amazonaws/protocol/json/SdkStructuredCborFactory.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-
ar.jar/com/amazonaws/protocol/json/SdkJsonProtocolFactory.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/util/IdempotentUtils.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/protocol/json/SdkHttpClient.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/util/FakeIOException.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/log/InternalLogFactory.java

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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources.jar/com/amazonaws/auth/RequestSigner.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources.jar/com/amazonaws/auth/SignerAsRequestSigner.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources.jar/com/amazonaws/util/DateUtils.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources.jar/com/amazonaws/util/Classes.java
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jar/com/amazonaws/auth/ProfileCredentialsServiceSubscriberHandler.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/internal/CredentialsEndpointProvider.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/util/ImmutableMapParameter.java
* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/internal/config/SignerConfig.java
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* /opt/cola/permits/1124222415_1611010452.87/0/aws-java-sdk-core-1-11-406-sources-jar/com/amazonaws/ResetException.java
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1.391 snappy-java 1.1.0.1

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* https://github.com/eclipse-ee4j/jaxrs-api

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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

* java.sun.security.ssl

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

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OW2

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

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

The following artifacts are ASL2 licensed.

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

MortBay

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

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

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/LexerModeAction.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/LexerCustomAction.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/LexerSkipAction.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/LexerPopModeAction.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/LexerChannelAction.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/LexerActionExecutor.java

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Found in path(s):

/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATN/DecisionEventInfo.java
/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATN/AmbiguityInfo.java
/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATN/ParseInfo.java
/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATN/RuntimeMetaData.java
/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATN/ContextSensitivityInfo.java
/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATN/ErrorInfo.java
/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATN/PredicateEvalInfo.java
/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATN/DecisionInfo.java
/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/VocabularyImpl.java
/permits_sql/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/Vocabulary.java
1.410 connect-json 2.3.1

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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bs symbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
```
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
 $(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \\
  | sed \"\"s/\($*\)\.o\[ \:\]*/\1\o $@ : /g\" > $@; \\
  [ -s $@ ]\|\| rm -f $@' \\

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \\
  | sed \"\"s/\($*\)\.o\[ \:\]*/\1\o $@ : /g\" > $@; \\
  [ -s $@ ]\|\| rm -f $@' \\

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
 $(RM) $@ && ln -s ${<F} $@

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
 $(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

##  Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
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1.421 xmlunit-core 2.6.2

1.422 eclipse-core-runtime 3.7.0

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
and the initial implementation of incremental propagation, including the following new or changed files:

- include/iprop_hdr.h
- kadmin/server/ipropd_svc.c
- lib/kdb/iprop.x
- lib/kdb/kdb_convert.c
- lib/kdb/kdb_log.c
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That's all there is to it!
Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
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* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

1.428 jaxb-core 2.3.0

1.429 kafka-tools 2.3.1
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* org.eclipse.jetty.orbit:javax.security.auth.message

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

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

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

-----
Oracle OpenJDK

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* java.sun.security.ssl

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

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OW2

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

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

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

-----

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.438 jflex 1.6.0

1.439 logfmt 2.2.1

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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// License information for the exposed API.
// For more information: http://goo.gl/8us55a

type License struct {
    Name string `json:"name,omitempty"`
    URL  string `json:"url,omitempty"`
}

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 Protocol Buffers for Go with Gadgets

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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, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
Zope Corporation was a sponsoring member of the PSF.

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

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1.442 go-yaml 2.3.0

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1.443 jackson-databind 2.9.7

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<td></td>
<td>KHR/khrplatform.h</td>
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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
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> 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:
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> and see if he wants to relicense his code as LGPL... but at this point,
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> 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
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unlike the old license, GPL-2 prevents people from using cracklib unless th=20
eir=20
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a=20
library to dictact to application writes what license they should be using.=20
=20
thus LGPL-2.1 enters to fill this void.
=20
=20
=2Dmike

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

e=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
>
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
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> > 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. FWTW, 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....
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> > My apologies for not chiming in in anything resembling a reasonable
> > timeframe.
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> > 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++
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

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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
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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[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.]

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

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

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

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

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

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

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

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

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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   (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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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
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It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
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a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

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<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
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xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

  Author: Julio Merino <jmmv84@gmail.com>

===========================================================================

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

1.449 libnetfilter-conntrack 1.0.6-1.el7_3

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1.450 scala 2.12.10

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1.451 datadog-zstd 1.4.5
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1.452 lib-pq 2.6.0+dfsg-1

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    // +build go1.10

    package pq

    import {
        "context"
        "database/sql/driver"
    }

    // NoticeHandler returns the notice handler on the given connection, if any. A
    // runtime panic occurs if c is not a pq connection. This is rarely used
    // directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
    func NoticeHandler(c driver.Conn) func(*Error) {
        return c.(*conn).noticeHandler
    }

    // SetNoticeHandler sets the given notice handler on the given connection. A
    // runtime panic occurs if c is not a pq connection. A nil handler may be used
    // to unset it. This is rarely used directly, use ConnectorNoticeHandler and
    // ConnectorWithNoticeHandler instead.
    //
    // Note: Notice handlers are executed synchronously by pq meaning commands
    // won't continue to be processed until the handler returns.
    func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
        c.(*conn).noticeHandler = handler
    }

    // NoticeHandlerConnector wraps a regular connector and sets a notice handler
    // on it.
    type NoticeHandlerConnector struct {
        driver.Connector
        noticeHandler func(*Error)
    }

    // Connect calls the underlying connector's connect method and then sets the
    // notice handler.
    func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
        c, err := n.Connector.Connect(ctx)
        if err != nil {
            SetNoticeHandler(c, n.noticeHandler)
        }
        return c, err
    }
// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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1.453 udev 247

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*uganda.txt*    For Vim version 8.1.  Last change: 2018 May 17

VIM REFERENCE MANUAL  by Bram Moolenaar

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SUMMARY
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Vim is Charityware. You can use and copy it as much as you like, but you are
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bellow or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for
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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine.
They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS)
is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.

Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353

If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

The e-mail address for sending the money to is:
Bram@iccf-holland.org

For amounts above 400 Euro ($500) sending a check is preferred.
Others: Transfer to one of these accounts if possible:
  Postbank, account 4548774
  Swift code: INGB NL 2A
  IBAN: NL95 INGB 0004 5487 74
  under the name "stichting ICCF Holland", Lisse
  If that doesn't work:
  Rabobank Lisse, account 3765.05.117
  Swift code: RABO NL 2U
  under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterrütihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:et:
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Version 2.1, February 1999

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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
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Otherwise, if the work is a derivative of the Library, you may
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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
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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,
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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
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specified in Subsection 6a, above, for a charge no more
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d) If distribution of the work is made by offering access to copy
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## -*-makefile-*-
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bs symbolic

## Shared object suffix
SO = so

## Compilations rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$((SHELL)) -ec '$(GEN_DEPS.c) $< \\
| sed "\"s/\$(\*\*)/\$\(\*\)A1.o $@ : /g\" > $@; \\
[ -s $@ ] || rm -f $@' \\

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$((SHELL)) -ec '$(GEN_DEPS.cc) $< \\
| sed "\"s/\$(\*\*)/\$\(\*\)A1.o $@ : /g\" > $@; \\
[ -s $@ ] || rm -f $@' \\

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$.$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s {*F}.${SO}.${SO_TARGET_VERSION} $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup

1.461 unzip 6.0-21+deb9u1
1.461.1 Available under license :

This is the Info-ZIP file COPYING (for UnZip), last updated 17 Jul 2000.

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There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):
Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

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UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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* MacBinaryIII.h

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* 
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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

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-----

The remaining code was written by many people associated with the
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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The decompression core code for the deflate method (inflate.[ch],
eexplode.c) was originally written by Mark Adler who submitted it
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YPL-1.0
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1.477 godotenv 1.3.0

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1.478 nghttp 1.40.0
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set xrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
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1.480 mitchellh-mapstructure 1.13.1-
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1.481 curl 7.52.1-5+deb9u10

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## zlib

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1.482 hashicorp-raft 3.0.3-0ubuntu1~18.04.1

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<!--
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*/
-->

<?xml-stylesheet href="chrome://global/skin" type="text/css"?>
<?xml-stylesheet href="chrome://mochikit/content/tests/SimpleTest/test.css" type="text/css"?>

<window title="Update Wizard pages: update check, billboard, basic, license, and manual update (bug 548061)"
xmlns="http://www.mozilla.org/keymaster/gatekeeper/there.is.only.xul"
onload="runTestDefault();">
<script type="application/javascript"
src="chrome://mochikit/content/tests/SimpleTest/SimpleTest.js"/>
<script type="application/javascript"
src="utils.js"/>

<script type="application/javascript">
<![CDATA[
const TESTS = [
    {
        pageid: PAGEID_CHECKING
    },
    {
        pageid: PAGEID_FOUND_BILLBOARD,
        extraDelayedCheckFunction: checkRemoteContentState,
        expectedRemoteContentState: "loading"
    },
    {
        pageid: PAGEID_FOUND_BASIC,
        buttonClick: "next"
    },
    {
        pageid: PAGEID_LICENSE,
        extraDelayedCheckFunction: checkRemoteContentState,
        expectedRemoteContentState: "loading"
    },
    {
        pageid: PAGEID_MANUAL_UPDATE,
        buttonClick: "finish"
    }];

function runTest() {
    debugDump("entering");
let url = URL_HTTP_UPDATE_XML + "?showBillboard=1&showLicense=1" + 
"&remoteNoTypeAttr=1&showDetails=1" + getVersionParams();
setUpdateURLOverride(url);

gUP.checkForUpdates();
}
]
</script>

<body xmlns="http://www.w3.org/1999/xhtml">
<p id="display"></p>
<div id="content" style="display: none"></div>
<pre id="test"></pre>
</body>

/*
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  - (the home page for ispell)

- An almost complete rewrite of MySpell for use by the Mozilla project has been developed by David Einstein (Deinst@world.std.com). David and I are now working on parallel development tracks to help our respective projects (Mozilla and OpenOffice.org) and we will maintain full affix file and dictionary file compatibility and work on merging our versions of MySpell back into a single tree. David has been a significant help in improving MySpell.

- Special thanks also go to László Nemeth <nemethl@gyorsposta.hu> who is the author of the Hungarian dictionary and who developed and contributed the code to support compound words in MySpell and fixed numerous problems with the encoding case conversion tables.

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%
% Source: cahyph.tex (2003-09-08)
% Author: Gonal Badenes <g.badenes at ieee.org>
%
% The above mentioned file should become obsolete,
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%
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%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodifisation of patterns already long before
%   and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
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% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - \lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: \patterns, \hyphenation,
% and if you really cannot do without, also \input and \message
% - in particular, please no \catcode or \lccode changes,
% they belong to loadhyph-foo.tex,
% and no \llefthyphenmin and \rrighthyphenmin,
% they have no influence here and belong elsewhere
% - \begingroup and/or \endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
% http://tug.org/tex-hyphen
%
% ------------------------------------------------------------------

% Hyphenation patterns for Catalan.
% This is version 1.11
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%
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%
% @TeX-hyphen-file{
% author = "Gonal Badenes",
% version = "1.11",
% date = "15 July 2003",
% time = "15:08:12 CET",
% filename = "cahyph.tex",
% email = "g.badenes@ieee.org",
% codetable = "UTF-8",
% keywords = "TeX, hyphen, catalan",
% supported = "yes",
% abstract = "Catalan hyphenation patterns",
% doestring = "This file contains the hyphenation patterns
% for the catalan language",
% }
% NOTICE: Version 1.11 is identical to version 1.10 (issued on January 17, 1995) except for the updated copyright notice above.

% The macros used were created for ghyph31.tex by Bernd Raichle (see the German hyphenation pattern files for further details)

% This patterns have been created using standard, conservative hyphenation rules for catalan. The results have refined running them through patgen. In that way, the number of hits has been increased.

% These rules produce no wrong patterns (Results checked against the "Diccionari Ortogr\`afic i de Pron\`uncia", Enciclop\`edia Catalana. The percentage of valid hyphen misses is lower than 1%

% Some of the patterns below represent combinations that never happen in Catalan. We have tried to keep them to a minimum.

% *** IMPORTANT ***
\lefthyphenmin and \righthyphenmin should be set to 2 and 2 respectively. If you set them below these values incorrect breaks will happen (specially at the beginning of foreign words and words which begin with some prefixes).

% *** IMPORTANT ***

% Please report any problem you might have to the authors!!!

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Norwegian Nynorsk hyphenation patterns

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% Adapted to the new pattern-loading scheme.
% Original file name was nnhyph.tex

% TeX hyphenation patterns for Norwegian Nynorsk
%
% Version 2007-02-10
%
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% It uses the Norwegian hyphenation patterns from nohyphbx.tex,
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%
% The patterns in nohyphbx are based on both Norwegian Bokmal
% and Norwegian Nynorsk, and works about equally well for both
% languages. This file, nnhyph.tex, contains only a few hyphenation
% exceptions, for words that needs to be hyphenated differently for
% the two languages.
%
% Please send bugs or suggestions to karl@huftis.org.
%
\input hyph-no.tex

\hyphenation{
att-en-de
bet-re
}

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<!--
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*/
-->
function runTest() {
    debugDump("entering");

    let url = URL_HTTP_UPDATE_XML + ":?showBillboard=1&showLicense=1&showDetails=1" +
        getVersionParams(getNewerAppVersion(), getNewerPlatformVersion());
    setUpdateURLOverride(url);

    gUP.checkForUpdates();
}
}

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http://repo.or.cz/w/wortliste.git?a=commit;h=2d246449f5c4f570f4d735d3ad091f6ad70f6972

The used patgen parameters are

1 1 | 2 5 | 1 1 1
2 2 | 2 5 | 1 2 1
3 3 | 2 6 | 1 1 1
4 4 | 2 6 | 1 4 1
5 5 | 2 7 | 1 1 1
6 6 | 2 7 | 1 6 1
7 7 | 2 13 | 1 4 1
8 8 | 2 13 | 1 8 1

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    'ev_timers.c',
    'getaddrinfo.c',
    'ns_name.c',
    'ns_netint.c',
    'ns_parse.c',
    'ns_samedomain.c',
    'ns_ttl.c',
    'res_comp.c',
    'res_data.c',
    'res_init.c',
    'res_send.c',
]

# These files can't be unified because of conflicting global variable names.
SOURCES += ['ns_print.c',
             'res_debug.c',
             'res_mkquery.c',
             'res_state.c',
            ]

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Turkish hyphenation patterns

(more info about the licence to be added later)

% hyph-tr.tex
%
%
% Turkish hyphenation patterns
%
%
% This file is auto-generated from source/generic/hyph-utf8/languages/tr/generate_patterns_tr.rb that is part of
% hyph-utf8.
%
% Please don't modify this file; modify the generating script instead.
%
const TESTS = [ {
  pageid: PAGEID_INCOMPAT_CHECK
}, {
  pageid: PAGEID_FOUND_BILLBOARD,
  extraDelayedCheckFunction: checkRemoteContentState,
  expectedRemoteContentState: "loading",
  extraDelayedFinishFunction: addRemoteContentLoadListener
}, {
  pageid: PAGEID_FOUND_BILLBOARD,
  extraStartFunction: waitForRemoteContentLoaded,
  expectedRemoteContentState: "loaded",
  buttonClick: "next"
}, {
  pageid: PAGEID_LICENSE,
  extraCheckFunction: checkRadioGroupSelectedIndex,
  expectedRadioGroupSelectedIndex: 1,
  extraDelayedCheckFunction: checkRemoteContentState,
  expectedRemoteContentState: "loading",
  extraDelayedFinishFunction: addRemoteContentLoadListener
}, {
  pageid: PAGEID_LICENSE,
  extraStartFunction: waitForRemoteContentLoaded,
  expectedRemoteContentState: "loaded",
  extraCheckFunction: checkRadioGroupSelectedIndex,
  expectedRadioGroupSelectedIndex: 0,
  buttonClick: "extra1"
}, {
  pageid: PAGEID_FOUND_BILLBOARD,
  extraCheckFunction: checkRemoteContentState,
  expectedRemoteContentState: "loaded",
  buttonClick: "next"
}, {
  pageid: PAGEID_LICENSE,
  extraCheckFunction: checkRadioGroupSelectedIndex,
  expectedRadioGroupSelectedIndex: 0,
  extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
  radioClick: "accept"
}, {
  pageid: PAGEID_LICENSE,
  extraCheckFunction: checkRadioGroupSelectedIndex,
  expectedRadioGroupSelectedIndex: 1,
  extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
  radioClick: "decline"
}, {
  pageid: PAGEID_LICENSE,
  extraCheckFunction: checkRadioGroupSelectedIndex,
  expectedRadioGroupSelectedIndex: 1,
  extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
function runTest() {
  debugDump("entering");

  let url = URL_HTTP_UPDATE_XML + "?showBillboard=1&showLicense=1" +
    "&showDetails=1&showPrompt=1" +
    getVersionParams(getNewerAppVersion(), getNewerPlatformVersion());
  setUpdateURLOverride(url);
  gAUS.notify(null);
}

</script>

<body xmlns="http://www.w3.org/1999/xhtml">
<p id="display"></p>
<div id="content" style="display: none"></div>
<pre id="test"></pre>
</body>
</window>

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- - - - - - - - - -

Polish hyphenation patterns

(more info about the licence to be added later)

% This file is part of hyph-utf8 package and resulted from
% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
%
% Source: plhyph.tex (1995-06-26)
% Author: Hanna Koodziejska, Bogusaw Jackowski, Marek Ryko
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferably modify this file instead.
%
% Modifications were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodisation of patterns already long before
%   and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
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%
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% If you're the original author of patterns or taking over a new revolution,
% please remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - \lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: \patterns, \hyphenation,
%   and if you really cannot do without, also \input and \message
% - in particular, please no \catcode or \lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no \llefthyphenmin and \rlrighthyphenmin,
%   they have no influence here and belong elsewhere
% - \begingroup and/or \endinput is not needed
% - feel free to do whatever you want inside comments
%
We know that TeX is extremely powerful, but give a stupid parser at least a chance to read your patterns.

For more unformation see

http://tug.org/tex-hyphen

This is PLHYPH.TeX - the Polish hyphenation patterns
version 3.0a, Wednesday, May 17th, 1995
to be used for the inclusion of Polish hyphenation patterns in any format,
not necessarily in the MeX or LaMeX ones. The patterns are exactly
the same as in the version 3.0 being the part of the MeX package,
only the surrounding of the \pattern command is changed. The authors
claim the upward compatibility, i.e., the version 3.0a can also be used
with the MeX or LaMeX formats.

The history of development of the Polish hyphenation patterns:

The first version of the patterns was developed
by Hanna Koodziejska (1987).

The adaptation to the LeX format (see below) and extensive modification
were done by Bogusaw Jackowski & Marek Ryko (1987--1989).

The hyphenation rules were further improved and adapted to the
TeX 3.x requirements by Hanna Koodziejska (1991).

Lone-standing version (3.0a) of patterns was prepared (under pressure
from LaTeX users) by Bogusaw Jackowski and Marek Ryko, following
Mariusz Olko’s suggestions, 1995.

The LeX format mentioned above was the first version of the adaptation
of TeX to the Polish language. The next version is called MeX.

This file contains a list of people who’ve made non-trivial
contribution to the Google C++ Testing Framework project. People
who commit code to the project are encouraged to add their names
here. Please keep the list sorted by first names.

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Chandler Carruth <chandlerc@google.com>
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MZ@!L!This program cannot be run in DOS mode.
XPIDL_SOURCES += [ 
   'nsIPermissionPromptService.idl', 
]

XPIDL_MODULE = 'dom_permissionsettings'

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2006-Jan-27

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% Author: Een Saar <saar at aai dot ee>
%
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%
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% - Karl Berry, who gave us free hands and all resources
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% - Hans Hagen, who did the unicodisation of patterns already long before
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%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
%   http://tug.org/tex-hyphen
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%--------------------------------------------------------------------------
%
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%
% Declare the special characters
%
# -*- Mode: python; c-basic-offset: 4; indent-tabs-mode: nil; tab-width: 40 -*-
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XPCSHELL_TESTS_MANIFESTS += ['unit/xpcshell.ini']

MOCHITEST_MANIFESTS += ['mochitest.ini']
if CONFIG['MOZ_B2G_RIL']:
    MOCHITEST_MANIFESTS += ['mochitest-ril.ini']

if CONFIG['MOZ_B2G_FM']:
    MOCHITEST_MANIFESTS += ['mochitest-fm.ini']

if CONFIG['MOZ_B2G_BT']:
    MOCHITEST_MANIFESTS += ['mochitest-bt.ini']

if CONFIG['MOZ_WEBSMS_BACKEND']:
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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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.

PROG = 7zS.sfx
LIBS = $(LIBS) user32.lib oleaut32.lib shell32.lib ole32.lib comctl32.lib
CFLAGS = $(CFLAGS) -I ../../..
-DEXCLUDE_COM
-DNO_REGISTRY
-DEXTRACT_ONLY
-D_SFX
-DFORMAT_7Z
-DCOMPRESS_BCJ_X86
-DCOMPRESS_BCJ2
-DCOMPRESS_COPY
-DCOMPRESS_LZMA
-D_NO_CRYPTO

SFX_WIN_OBJS =
	$O\Main.obj
	$O\ExtractCallback.obj
	$O\ExtractEngine.obj

GUI_OBJS =
	$O\OpenCallbackGUI.obj

COMMON_OBJS =
	$O\Alloc.obj
	$O\CommandLineParser.obj
	$O\CRC.obj
	$O\IntToString.obj
	$O\NewHandler.obj
	$O\String.obj
	$O\StringConvert.obj
	$O\TextConfig.obj
	$O\UTFConvert.obj
	$O\Vector.obj
	$O\Wildcard.obj

WIN_OBJS =
	$O\DLL.obj
	$O\Error.obj
	$O\FileDir.obj
	$O\FileFind.obj
	$O\FileInfo.obj
	$O\PropVariant.obj
	$O\ResourceString.obj
	$O\Synchronization.obj

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$O\text{Window}.obj \$

\text{WIN\_CTRL\_OBJ} = \$
$O\text{Dialog}.obj \$

\text{7ZIP\_COMMON\_OBJ} = \$
$O\text{FileStreams}.obj \$
$O\text{InBuffer}.obj \$
$O\text{LimitedStreams}.obj \$
$O\text{LockedStream}.obj \$
$O\text{OutBuffer}.obj \$
$O\text{ProgressUtils}.obj \$
$O\text{StreamBinder}.obj \$
$O\text{StreamObjects}.obj \$
$O\text{StreamUtils}.obj \$

\text{UI\_COMMON\_OBJ} = \$
$O\text{ArchiveOpenCallback}.obj \$
$O\text{ArchiverInfo}.obj \$
$O\text{DefaultName}.obj \$
$O\text{OpenArchive}.obj \$

\text{FM\_OBJ} = \$
$O\text{FormatUtils}.obj \$

\text{AR\_COMMON\_OBJ} = \$
$O\text{CoderMixer2}.obj \$
$O\text{CoderMixer2MT}.obj \$
$O\text{CrossThreadProgress}.obj \$
$O\text{FilterCoder}.obj \$
$O\text{ItemNameUtils}.obj \$
$O\text{OutStreamWithCRC}.obj \$

\text{7Z\_OBJ} = \$
$O\text{7zDecode}.obj \$
$O\text{7zExtract}.obj \$
$O\text{7zFolderOutStream}.obj \$
$O\text{7zHandler}.obj \$
$O\text{7zHeader}.obj \$
$O\text{7zIn}.obj \$
$O\text{7zMethodID}.obj \$

\text{BRANCH\_OPT\_OBJ} = \$
$O\text{BranchCoder}.obj \$
$O\text{x86}.obj \$
$O\text{x86\_2}.obj \$

\text{LZ\_OBJ} = \$

---

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$O\LZOutWindow.obj 
LZMA_OPT_OBJS = 
$O\LZMADecoder.obj 

OBJS = 
$O\StdAfx.obj 
$(SFX_WIN_OBJS) 
$(GUI_OBJS) 
$(COMMON_OBJS) 
$(WIN_OBJS) 
$(WIN_CTRL_OBJS) 
$(7ZIP_COMMON_OBJS) 
$(UI_COMMON_OBJS) 
$(FM_OBJS)
$(AR_COMMON_OBJS) 
$(7Z_OBJS) 
$(BRANCH_OPT_OBJS) 
$(LZ_OBJS) 
$(LZMA_OPT_OBJS) 
$OCopyCoder.obj 
$OMyMessages.obj 
$OProgressDialog.obj 
$Oresource.res

!include "././Build.mak"

$(SFX_WIN_OBJS): $(B).cpp
$(COMPL)

$(GUI_OBJS): ../UI/GUI/$(B).cpp
$(COMPL)
$(COMMON_OBJS): ../Common/$(B).cpp
$(COMPL)
$(WIN_OBJS): ../Windows/$(B).cpp
$(COMPL)
$(WIN_CTRL_OBJS): ../Windows/Control/$(B).cpp
$(COMPL)
$(7ZIP_COMMON_OBJS): ../Common/$(B).cpp
$(COMPL)
$(UI_COMMON_OBJS): ../UI/Common/$(B).cpp
$(COMPL)
$(FM_OBJS): ../FileManager/$(B).cpp
$(COMPL)
$(AR_COMMON_OBJS): ../Archive/Common/$(B).cpp
$(COMPL)
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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</xml version="1.0"?>
<!--
/* Any copyright is dedicated to the Public Domain.
* http://creativecommons.org/publicdomain/zero/1.0/
*/
-->
pageid: PAGEID_LICENSE,
extraCheckFunction: checkRadioGroupSelectedIndex,
expectedRadioGroupSelectedIndex: 1,
extraDelayedCheckFunction: checkRemoteContentState,
expectedRemoteContentState: "loading",
extraDelayedFinishFunction: addRemoteContentLoadListener
],
pageid: PAGEID_LICENSE,
extraStartFunction: waitForRemoteContentLoaded,
expectedRemoteContentState: "loaded",
extraCheckFunction: checkRadioGroupSelectedIndex,
expectedRadioGroupSelectedIndex: 1,
extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
radioClick: "accept"
],
pageid: PAGEID_LICENSE,
extraCheckFunction: checkRadioGroupSelectedIndex,
expectedRadioGroupSelectedIndex: 0,
buttonClick: "extra1"
],
pageid: PAGEID_FOUND_BILLBOARD,
extraCheckFunction: checkRemoteContentState,
expectedRemoteContentState: "loaded",
buttonClick: "next"
],
pageid: PAGEID_LICENSE,
extraCheckFunction: checkRadioGroupSelectedIndex,
expectedRadioGroupSelectedIndex: 0,
extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
radioClick: "decline"
],
pageid: PAGEID_LICENSE,
extraCheckFunction: checkRadioGroupSelectedIndex,
expectedRadioGroupSelectedIndex: 1,
extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
radioClick: "accept"
],
pageid: PAGEID_LICENSE,
extraCheckFunction: checkRadioGroupSelectedIndex,
expectedRadioGroupSelectedIndex: 0,
buttonClick: "next"
],
pageid: PAGEID_DOWNLOADING
],
pageid: PAGEID_FINISHED,
buttonClick: "extra1"
]
function runTest() {
    debugDump("entering");

    let url = URL_HTTP_UPDATE_XML + "?showBillboard=1&showLicense=1" +
        "&showDetails=1&showPrompt=1" + getVersionParams();
    setUpdateURLOverride(url);

    gAUS.notify(null);
}

</script>

<body xmlns="http://www.w3.org/1999/xhtml">
  <p id="display"></p>
  <div id="content" style="display: none"></div>
  <pre id="test"></pre>
</body>
</window>

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A function gettimeofday in utilities.cc is based on

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Esperanto hyphenation patterns

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% See http://tug.org/tex-hyphen and other files in the package
% However, this file does not comply with rules of other patterns
% as it still uses TeX macros, and a dedicated converter would be needed
% to convert patterns into OopenOffice-friendly form for example.
% But it should work OK with both 8-bit engines (TeX, pdfTeX, ...)
% as well as with native UTF-8 ones (XeTeX, LuaTeX, ...)

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Serbian hyphenation patterns in {Latin,Cyrillic} script

(more info about the licence to be added later)

% This is `hyph-sh-{latn,cyrillic}.tex' version 2.02 as of Jun 22, 2008.
%
% Copyright (C) 1990,2008 Dejan Muhamedagi\c c
% [hyphen patterns for Serbocroatian language]
%
% %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
% TeX-hyphen-file{
% author = "Dejan Muhamedagi\c c",
% version = "2.02",
% date = "22 June 2008",
% filename = "hyph-sh-{latn,cyrillic}.tex",
% email = "dejan@hello-penguin.com",
% codetable = "UTF-8",
% keywords = "TeX, hyphen, serbocroatian, {latinic,cyrillic}",
% supported = "yes",
% abstract = "Serbocroatian hyphenation patterns",
% docstring = "This file contains the hyphenation patterns for the Serbocroatian language and the {latinic,cyrillic} alphabet."
% }
% %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%
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%
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<!--
/* Any copyright is dedicated to the Public Domain.
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 */
-->
function runTest() {
    debugDump("entering");

    let url = URL_HTTP_UPDATE_XML + "+showLicense=1\&showDetails=1" + 
               getVersionParams(getNewerAppVersion(), getNewerPlatformVersion());
    setUpdateURLOverride(url);

    gUP.checkForUpdates();
}

}]>
</script>

<body xmlns="http://www.w3.org/1999/xhtml"
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Russian hyphenation patterns

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% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
% Source: TODO:WRITEME (2003-03-10)
% Author: Alexander I. Lebedev <swan at scon155.phys.msu.su>
% The above mentioned file should become obsolete,
% and the author of the original file should preferably modify this file instead.
% Modifications were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodifisation of patterns already long before
% and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
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%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - \lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: \patterns, \hyphenation,
%   and if you really cannot do without, also \input and \message
% - in particular, please no \catcode or \lccode changes,
%   they belong to loadhyph-foo.tex,
%   and no \lefthyphenmin and \righthyphenmin,
%   they have no influence here and belong elsewhere
% - \begingroup and/or \endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more information see
%
% http://tug.org/tex-hyphen
%
%--------------------------------------------------------------
%
% Russian hyphenation patterns, version 2003/03/10
% Copyright 1999-2003 Alexander I. Lebedev <swan@scon155.phys.msu.su>
%
% This program may be distributed and/or modified under the conditions
% of the LaTeX Project Public License, either version 1.2 or any later
% version.
Patterns were generated with patgen from a 990,000-word list and then manually corrected.

The program consists of the files ruhyphal.tex, cyryoal.tex and two document files README.ruhyphal and hyphen.rules. The file cyryoal.tex can be regenerated using mkcyryo script (a part of ruhyphen package) and the latest release of rus-ispell dictionaries <ftp://scon155.phys.msu.su/pub/russian/ispell/>.

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% Source: nehyph96.tex (yyyy-mm-dd)
% Author: Piet Tutelaers
%
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%
% Modifications were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodifisation of patterns already long before
%   and helped with testing, suggestions and bug reports
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% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - \lccode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: \patterns, \hyphenation,
%   and if you really cannot do without, also \input and \message
% - in particular, please no \catcode or \lccode changes,
% they belong to loadhyph-foo.tex,
% and no \lefthyphenmin and \righthyphenmin,
% they have no influence here and belong elsewhere
% - \begingroup and/or \endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more unformation see
%
% http://tug.org/tex-hyphen
%
% PURPOSE: 8-bit hyphenation patterns for TeX based upon the new Dutch
% spelling, officially since 1 August 1996. These patterns follow
% the new hyphenation rules in the `Woordenlijst Nederlandse
% Taal, SDU Uitgevers, Den Haag 1995' (the so called `Groene
% Boekje') described in section 5.2 (Het afbreekteken).
%
% The main differences with our earlier patterns based upon the
% CELEX dictionary are:
% (1) provide 8-bit patterns based upon the T1 character encoding
% (the encoding for DC/EC compatible TeX fonts)
% (2) don't hyphenate if this results in a syllable of one letter
% before or after the hyphen (hence hyphens in a-drenaline,
% studi-o, mensa-pen and vide-oachtig are invalid)
% (3) handle words derived from other languages (`bastaard
% woorden') according to the new rules
%
% Like the CELEX patterns these patterns don't hyphenate:
% (4) in a changing syllable (menuutje can not be hyphenated as
% menu-tje)
% (5) in words that have different hyphenations according to
% there meaning (buur-tje/buurt-je)
%
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Kurmanji hyphenation patterns (v. 1.0 2009/06/29 JKn and MSh)

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% hyph-kmr.tex
%
% Hyphenation patterns for Kurmanji (Northern Kurdish)
%
% (as spoken in Turkey and by the Kurdish diaspora in Europe).
% The patterns are generated by patgen from a word list of approx. 2500
% hyphenated words provided by Medeni Shemd
%
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%
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%
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%
% For more information see
%
% http://tug.org/tex-hyphen
%
% The patterns were generated by Jrg Knappen with patgen using
% a list of 2.5k hyphenated Kurmanji words provided by Medeni Shemd.
%
% For 8-bit engines the T1 (Cork) encoding is needed
% for the special letters occurring in the Kurmanji alphabet.
%
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<?xml version="1.0"?>
<!--
/* Any copyright is dedicated to the Public Domain.
 * http://creativecommons.org/publicdomain/zero/1.0/
 */
-->  
<?xml-stylesheet href="chrome://global/skin" type="text/css"?>
<?xml-stylesheet href="chrome://mochikit/content/tests/SimpleTest/test.css" type="text/css"?>

<window title="Update Wizard pages: add-ons check, billboard, license, add-ons list, download, and finished" xmlns="http://www.mozilla.org/keymaster/gatekeeper/there.is.only.xul"  
onload="runTestDefault();"> 
  <script type="application/javascript" src="chrome://mochikit/content/tests/SimpleTest/SimpleTest.js"/> 
  <script type="application/javascript" src="utils.js"/>
  
  <script type="application/javascript">
  <![CDATA[
  const TESTS = [
  
  { pageid: PAGEID_INCOMPAT_CHECK },
  
  { pageid: PAGEID_FOUND_BILLBOARD,
    extraDelayedCheckFunction: checkRemoteContentState,
    expectedRemoteContentState: "loading",
    extraDelayedFinishFunction: addRemoteContentLoadListener
  },
  
  { pageid: PAGEID_FOUND_BILLBOARD,
    extraStartFunction: waitForRemoteContentLoaded,
    expectedRemoteContentState: "loaded",
    buttonClick: "next"
  },
  
  { pageid: PAGEID_LICENSE,
    extraCheckFunction: checkRadioGroupSelectedIndex,
    expectedRadioGroupSelectedIndex: 1,
  },
  ];
  
 各自的测试将被加到合适的属性中。我们将等待页面加载完成。

  runTest();
]]>
  
</script>

</window>
extraDelayedCheckFunction: checkRemoteContentState,
expectedRemoteContentState: "loading",
extraDelayedFinishFunction: addRemoteContentLoadListener
}
},
pageid: PAGEID_LICENSE,
extraStartFunction: waitForRemoteContentLoaded,
extendedRemoteContentState: "loaded",
extraCheckFunction: checkRadioGroupSelectedIndex,
extendedRadioGroupSelectedIndex: 1,
extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
radioClick: "accept"
},
pageid: PAGEID_LICENSE,
extendedCheckFunction: checkRadioGroupSelectedIndex,
extendedRadioGroupSelectedIndex: 0,
buttonClick: "next"
},
pageid: PAGEID_INCOMPAT_LIST,
extraDelayedCheckFunction: checkIncompatibleList,
buttonClick: "extra1"
},
pageid: PAGEID_LICENSE,
buttonClick: "extra1"
},
pageid: PAGEID_FOUND_BILLBOARD,
extendedCheckFunction: checkRemoteContentState,
extendedRemoteContentState: "loaded",
buttonClick: "next"
},
pageid: PAGEID_LICENSE,
extendedCheckFunction: checkRadioGroupSelectedIndex,
extendedRadioGroupSelectedIndex: 0,
extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
radioClick: "decline"
},
pageid: PAGEID_LICENSE,
extendedCheckFunction: checkRadioGroupSelectedIndex,
extendedRadioGroupSelectedIndex: 1,
extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
radioClick: "accept"
},
pageid: PAGEID_LICENSE,
extendedCheckFunction: checkRadioGroupSelectedIndex,
extendedRadioGroupSelectedIndex: 0,
buttonClick: "next"
},
pageid: PAGEID_INCOMPAT_LIST,
extraDelayedCheckFunction: checkIncompatibleList,
# This file contains a list of people who've made non-trivial
# contribution to the Google C++ Mocking Framework project. People
# who commit code to the project are encouraged to add their names
# here. Please keep the list sorted by first names.

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(New) Mongolian hyphenation patterns
This file is part of hyph-utf8 package and resulted from semi-manual conversions of hyphenation patterns into UTF-8 in June 2008. 

Source: mnhyphn.tex (2008-03-30)
Author: Dorjgotov Batmunkh <bataak at gmail.com>

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Modifications were needed in order to support native UTF-8 engines, but functionality (hopefully) didn't change in any way, at least not intentionally. This file is no longer stand-alone; at least for 8-bit engines you probably want to use loadhyph-foo.tex (which will load this file) instead.

Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer with help & support from:
- Karl Berry, who gave us free hands and all resources
- Taco Hoekwater, with useful macros
- Hans Hagen, who did the unicodification of patterns already long before and helped with testing, suggestions and bug reports
- Norbert Preining, who tested & integrated patterns into TeX Live

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\%
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\%
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% Special thanks to: Jim Hefferon and Robin Fairbairns
%}

\% There are few basic rules in mongolian
%}

\% 1. If there is a consonant then it can use hyphen before it.
% And if there're two consonants then it can use hyphen before second consonant.
% Are there three consonants then it can put hyphen before third consonant,
% also are there four consonants then it can use hyphen before fourth consonant.
\%
% 2. In the case of hardsign or softsign, it's possible to hyphen after these signs.
% For instance, -, -
% 3. However one vowel can be belong to a syllable, it's not possible to use hyphen.
%}

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% + January 1986: first release by Kauko Saarinen, %
% Computing Centre, University of Jyvaskyla, Finland %
% + January 1988: completely rewritten by Kauko Saarinen. %
% The new patterns make much less mistakes with foreign %
% and compound words. The article "Automatic Hyphenation %
% of Finnish" by Professor Fred Karlsson is also referred %
% + 8th March 1989 (vers. 2.2): some vowel triples added by %
% Kauko Saarinen based on Fred Karlsson's ideas %
% + 9th January 1995: added \uccode and \lccode by Thomas Esser %
% + 24th May 2004: changelog reformatted for disambiguation and %
% Thomas Esser's \[u/l]ccode changes complete rewritten to make %
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examples/annotator/data/jquery-1.4.2.min.js
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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymb

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@
## Bind internal references
# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic
# Dependencies [i.e. map files] for the final library
BIR_DEPS=
## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =
## End BSD-specific setup
<?xml version="1.0"?>
<!-/* Any copyright is dedicated to the Public Domain.
* http://creativecommons.org/publicdomain/zero/1.0/
*/

Open Source Used In MSX Platform Infrastructure 3.10.0 4815


<window title="Update Wizard pages: add-ons check, basic, license, download, and finished"
   xmlns="http://www.mozilla.org/keymaster/gatekeeper/there.is.only.xul"
   onload="runTestDefault();">
<script type="application/javascript"
   src="chrome://mochikit/content/tests/SimpleTest/SimpleTest.js"/>
<script type="application/javascript"
   src="utils.js"/>

<script type="application/javascript">
<![CDATA[
const TESTS = [
    { pageid: PAGEID_INCOMPAT_CHECK }
],
    { pageid: PAGEID_FOUND_BASIC,
      buttonClick: "next"
    },
    { pageid: PAGEID_LICENSE,
      extraCheckFunction: checkRadioGroupSelectedIndex,
      expectedRadioGroupSelectedIndex: 1,
      extraDelayedCheckFunction: checkRemoteContentState,
      expectedRemoteContentState: "loading",
      extraDelayedFinishFunction: addRemoteContentLoadListener
    },
    { pageid: PAGEID_LICENSE,
      extraStartFunction: waitForRemoteContentLoaded,
      expectedRemoteContentState: "loaded",
      extraCheckFunction: checkRadioGroupSelectedIndex,
      expectedRadioGroupSelectedIndex: 1,
      extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
      radioClick: "accept"
    },
    { pageid: PAGEID_LICENSE,
      extraCheckFunction: checkRadioGroupSelectedIndex,
      expectedRadioGroupSelectedIndex: 0,
      buttonClick: "extra1"
    },
    { pageid: PAGEID_FOUND_BASIC,
      buttonClick: "next"
    },
    { pageid: PAGEID_LICENSE,
      extraCheckFunction: checkRadioGroupSelectedIndex,
      expectedRadioGroupSelectedIndex: 0,

]]>
</script>
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% -----------------------------------------------------------------
% VERSION: 0.9 (October 2010)
%
% AUTHORS:  Tilla Fick and Chris Swanepoel
%          hyphen at rekenaar dot net
% -----------------------------------------------------------------
% Define lefthyphenmin to one and righthyphenmin to two
% (although righthyphenmin could technically be made one,
% in almost all cases a value of two gives better results):
% \lefthyphenmin=1 \righthyphenmin=2
%
% -----------------------------------------------------------------

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Version 2, June 1991

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% % Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% % with help & support from:
% % - Karl Berry, who gave us free hands and all resources
% % - Taco Hoekwater, with useful macros
% % - Hans Hagen, who did the unicodifisation of patterns already long before
% % and helped with testing, suggestions and bug reports
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---

******* lahyph.tex **********

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[latin hyphenation patterns]

---

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Patterns for the latin language mainly in modern spelling (u when u is needed and v when v is needed); medieval spelling
% with the ligatures \ae and \oe and the (uncial) lowercase `v'
% written as a `u' is also supported; apparently there is no conflict
% between the patterns of modern Latin and those of medieval Latin.
%
% Support for font encoding T1 with a 256-character set.
%
% Prepared by Claudio Beccari
% Politecnico di Torino
% Torino, Italy
% e-mail beccari@polito.it
%
% 1999/03/10 Integration of `lahyph7.tex' and `lahyph8.tex' into
% one file `lahyph.tex' supporting fonts in OT1 and T1 encoding by
% Bernd Raichle using the macro code from `dehypht.tex' (this code
%
% 2010/05/31 Removal of OT1 support
% 2010/06/01 Removal of pattern 2'2 (probably a leftover from Italian)
%
% \versionnumber{3.2} \versiondate{2010/06/01}
%
% Information after \endinput.
%
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% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
% 
% Source: sorhyph.tex (1997-05-07)
% Author: E. Werner
%
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%
% Modifications were needed in order to support native UTF-8 engines,
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% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
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\message{Hyphenation patterns for Upper Sorbian, E. Werner}
\message{Completely new revision 1997, March 22}

- ccaron
- cacute
- ecaron
- lslash
- nacute
- oacute
- rcaron
- scaron
- zcaron
- zacute

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%
% Source: dkcommon.tex (yyyy-mm-dd), dkspecial.tex (yyyy-mm-dd)
% Author: Frank Jensen <frank.jensen at hugin.com>
%
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%
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%
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% version 2003/12/01 or later.
%
% Changes:
% - 2011-01-11 - remove support for OT1 encoding
%
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% dehyphn-x-2011-06-01.pat

\message{German Hyphenation Patterns (Reformed Orthography, 2006) `dehyphn-x' 2011-06-01 (WL)}

% TeX-Trennmuster fr die reformierte (2006) deutsche Rechtschreibung
%
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%
%
% The word list is available from
%
% http://repo.or.cz/w/wortliste.git?a=commit;h=2d246449f5c4f570f4d735d3ad091f6ad70f6972
%
% The used patgen parameters are
%
% 1 1 | 2 5 | 1 1 1
% 2 2 | 2 5 | 1 2 1
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% Author: Pedro J. de Rezende <rezende at dcc.unicamp.br>, J.Joao Dias Almeida <jj at di.uminho.pt>
%
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%
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%
%------------------------------------------------------------------------------
%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%
%%%%%%
% The Portuguese TeX hyphenation table.
% (C) 1996 by Pedro J. de Rezende (rezende@dcc.unicamp.br)
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Norwegian Bokmal hyphenation patterns

(more info about the licence to be added later)

Adapted to the new pattern-loading scheme.
Original file name was nbhyph.tex

TeX hyphenation patterns for Norwegian Bokmal

Version 2007-02-10
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%
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% It uses the Norwegian hyphenation patterns from nohyphbx.tex,
% created by Rune Kleveland and Ole Michael Selberg. Please see
% that file for copyright information on those patterns.
%
% The patterns in nohyphbx are based on both Norwegian Bokmal
% and Norwegian Nynorsk, and works about equally well for both
% languages. This file, nbhyph.tex, contains only a few hyphenation
% exceptions, for words that needs to be hyphenated differently for
% the two languages.
%
% Please send bugs or suggestions to karl@huftis.org.
%
\input hyph-no.tex

\hyphenation{
at-ten-de
be-tre
}

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const TESTS = [  
  pageid: PAGEID_FOUND_BASIC,  
  buttonClick: "next"  
], [  
  pageid: PAGEID_LICENSE,  
  extraCheckFunction: checkRadioGroupSelectedIndex,  
  expectedRadioGroupSelectedIndex: 1,  
  extraDelayedCheckFunction: checkRemoteContentState,  
  expectedRemoteContentState: "loading",  
  extraDelayedFinishFunction: addRemoteContentLoadListener  
], [  
  pageid: PAGEID_LICENSE,  
  extraStartFunction: waitForRemoteContentLoaded,  
  expectedRemoteContentState: "loaded",  
  extraCheckFunction: checkRadioGroupSelectedIndex,  
  expectedRadioGroupSelectedIndex: 1,  
  extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,  
  radioClick: "accept"  
], [  
  pageid: PAGEID_LICENSE,  
  extraCheckFunction: checkRadioGroupSelectedIndex,  
  expectedRadioGroupSelectedIndex: 0,  
  buttonClick: "extra1"  
]
function runTest() {
    debugDump("entering");

    let url = URL_HTTP_UPDATE_XML + "?showLicense=1&showDetails=1&showPrompt=1" + 
        getVersionParams();
    setUpdateURLOverride(url);

    gAUS.checkForBackgroundUpdates();
}

</script>

<p id="display"></p>
<div id="content" style="display: none"></div>
<pre id="test"></pre>
</window>

<?xml version="1.0"?

/* Any copyright is dedicated to the Public Domain.*/
<?xml-stylesheet href="chrome://global/skin" type="text/css"?>
<?xml-stylesheet href="chrome://mochikit/content/tests/SimpleTest/test.css" type="text/css"?>

<script type="application/javascript"
    src="chrome://mochikit/content/tests/SimpleTest/SimpleTest.js"/>

<script type="application/javascript"
    src="utils.js"/>

const TESTS = [ 
    { 
        pageid: PAGEID_INCOMPAT_CHECK
    }, 
    { 
        pageid: PAGEID_FOUND_BASIC,
        buttonClick: "next"
    }, 
    { 
        pageid: PAGEID_LICENSE,
        extraCheckFunction: checkRadioGroupSelectedIndex,
        expectedRadioGroupSelectedIndex: 1,
        extraDelayedCheckFunction: checkRemoteContentState,
        expectedRemoteContentState: "loading",
        extraDelayedFinishFunction: addRemoteContentLoadListener
    }, 
    { 
        pageid: PAGEID_LICENSE,
        extraStartFunction: waitForRemoteContentLoaded,
        expectedRemoteContentState: "loaded",
        extraCheckFunction: checkRadioGroupSelectedIndex,
        expectedRadioGroupSelectedIndex: 1,
        extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
        radioClick: "accept"
    }, 
    { 
        pageid: PAGEID_LICENSE,
        extraCheckFunction: checkRadioGroupSelectedIndex,
        expectedRadioGroupSelectedIndex: 0,
        buttonClick: "next"
    }, 
    { 
        pageid: PAGEID_INCOMPAT_LIST,
        extraDelayedCheckFunction: checkIncompatibleList,
        buttonClick: "extra1"
    } ];
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

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%
% Source available on:
% - http://www.vtex.lt/tex/littex/index.html
%
% Authors:
%
% First version in LT encoding (modified T1):
% - Vytas Statulevius <vytas at vtex.lt>
% - Yannis Haralambous
% (Vilnius, March 4, 1992)
% Conversion into Latin 7 and aditional support files (babel, fonts):
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 */
-->

<?xml-stylesheet href="chrome://global/skin" type="text/css"?>
<?xml-stylesheet href="chrome://mochikit/content/tests/SimpleTest/test.css" type="text/css"?>

<window title="Update Wizard pages: update check, add-ons check, billboard, license, download, and finished"
xmlns="http://www.mozilla.org/keymaster/gatekeeper/there.is.only.xul"
onload="runTestDefault();">
<script type="application/javascript"
src="chrome://mochikit/content/tests/SimpleTest/SimpleTest.js"/>
<script type="application/javascript"
src="utils.js"/>

<script type="application/javascript">
<![CDATA[
const TESTS = [ {
  pageid: PAGEID_CHECKING
}, {
  pageid: PAGEID_INCOMPAT_CHECK
}, {
  pageid: PAGEID_FOUND_BILLBOARD,
  extraDelayedCheckFunction: checkRemoteContentState,
  expectedRemoteContentState: "loading",
  extraDelayedFinishFunction: addRemoteContentLoadListener
}, {
  pageid: PAGEID_FOUND_BILLBOARD,
  extraStartFunction: waitForRemoteContentLoaded,
  expectedRemoteContentState: "loaded",
  buttonClick: "next"
}, {
  pageid: PAGEID_LICENSE,
  extraCheckFunction: checkRadioGroupSelectedIndex,
  expectedRadioGroupSelectedIndex: 1,
  extraDelayedCheckFunction: checkRemoteContentState,
  expectedRemoteContentState: "loading",
  extraDelayedFinishFunction: addRemoteContentLoadListener
}, {
  pageid: PAGEID_LICENSE,
  extraStartFunction: waitForRemoteContentLoaded,
  expectedRemoteContentState: "loaded",
  extraCheckFunction: checkRadioGroupSelectedIndex,
  expectedRadioGroupSelectedIndex: 1,
}]]>
</script>
function runTest() {
  debugDump("entering".yellow);

  let url = URL_HTTP_UPDATE_XML + "?showBillboard=1&showLicense=1&showDetails=1" +
    getVersionParams(getNewerAppVersion(), getNewerPlatformVersion());
  setUpdateURLOverride(url);

  gUP.checkForUpdates();
}
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Hyphenation patterns for Interlingua

(more info about the licence to be added later)

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% semi-manual conversions of hyphenation patterns into UTF-8 in June 2008.
% Source: iahyphen.tex (2005-06-28)
% Author: Peter Kleiweg <p.c.j.kleiweg at rug.nl>
%
% The above mentioned file should become obsolete.
% and the author of the original file should preferabyl modify this file instead.
%
% Modifications were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodifisation of patterns already long before
% and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
%
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% If you're the original author of patterns or taking over a new revolution,
% plese remove all of the TUG comments & credits that we added here -
% you are the Queen / the King, we are only the servants.
%
% If you want to change this file, rather than uploading directly to CTAN,
% we would be grateful if you could send it to us (http://tug.org/tex-hyphen)
% or ask for credentials for SVN repository and commit it yourself;
% we will then upload the whole "package" to CTAN.
%
% Before a new "pattern-revolution" starts,
% please try to follow some guidelines if possible:
%
% - \ucode is *forbidden*, and I really mean it
% - all the patterns should be in UTF-8
% - the only "allowed" TeX commands in this file are: \patterns, \hyphenation,
% and if you really cannot do without, also \input and \message
% - in particular, please no \catcode or \ucode changes,
% they belong to loadhyph-foo.tex,
% and no \lefthyphenmin and \righthyphenmin,
% they have no influence here and belong elsewhere
% - \begingroup and/or \endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
% at least a chance to read your patterns.
%
% For more information see
%
% http://tug.org/tex-hyphen
%
%---------------------------------------------------------------
%
% File: iahyphen.tex
% TeX hyphenation patterns for Interlingua.
% Version 0.2b. Released 3 July 2001.
% version 0.2c Released 28 June 2005 (added LPPL header)
% Created by Peter Kleiweg, p.c.j.kleiweg at rug.nl
% About Interlingua: http://www.interlingua.com/
%
% \iffalse meta-comment
%
% Copyright 1989-2005 Peter Kleiweg. All rights reserved.
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7z ANSI-C Decoder 4.23 Copyright (C) 1999-2005 Igor Pavlov

7z ANSI-C provides 7z/LZMA decoding.
7z ANSI-C version is simplified version ported from C++ code.

LZMA is default and general compression method of 7z format in 7-Zip compression program (www.7-zip.org). LZMA provides high compression ratio and very fast decompression.

LICENSE
-------

Read lzma.txt for information about license.

Files
---------------------

7zAlloc.* - Allocate and Free
7zBuffer.* - Buffer structure
7zCrc.* - CRC32 code
7zDecode.* - Low level memory->memory decoding
7zExtract.* - High level stream->memory decoding
7zHeader.* - .7z format constants
7zIn.* - .7z archive opening
7zItem.* - .7z structures
7zMain.c - Test application
7zMethodID.* - MethodID structure
7zTypes.h - Base types and constants

How To Use
----------

You must download 7-Zip program from www.7-zip.org.

You can create .7z archive with 7z.exe or 7za.exe:

7za.exe a archive.7z *.htm -r -mx -m0fb=255 -mf=off

If you have big number of files in archive, and you need fast extracting,
you can use partly-solid archives:

7za.exe a archive.7z *.htm -ms=512K -r -mx -m0fb=255 -m0d=512K -mf=off

In that example 7-Zip will use 512KB solid blocks. So it needs to decompress only 512KB for extracting one file from such archive.

Limitations of current version of 7z ANSI-C Decoder
---------------------------------------------------
- It reads only "FileName", "Size", and "CRC" information for each file in archive.
- It supports only LZMA and Copy (no compression) methods.
- It converts original UTF-16 Unicode file names to UTF-8 Unicode file names.

These limitations will be fixed in future versions.

Using 7z ANSI-C Decoder Test application:
-----------------------------------------
Usage: 7zDec <command> <archive_name>

<Command>:
  e: Extract files from archive
  l: List contents of archive
  t: Test integrity of archive

Example:

7zDec l archive.7z
lists contents of archive.7z

7zDec e archive.7z
extracts files from archive.7z to current folder.

How to use .7z Decoder
-----------------------

.7z Decoder can be compiled in one of two modes:

1) Default mode. In that mode 7z Decoder will read full compressed block to RAM before decompressing.

2) Mode with defined _LZMA_IN_CB. In that mode 7z Decoder can read
compressed block by parts. And you can specify desired buffer size.
So memory requirements can be reduced. But decompressing speed will
be 5-10% lower and code size is slightly larger.

Memory allocation
~~~~~~~~~~~~~~~~

7z Decoder uses two memory pools:
1) Temporary pool
2) Main pool
Such scheme can allow you to avoid fragmentation of allocated blocks.

Steps for using 7z decoder
--------------------------

Use code at 7zMain.c as example.

1) Declare variables:
inStream                     /* implements ISzInStream interface */
CArchiveDatabaseEx db;       /* 7z archive database structure */
ISzAlloc allocImp;           /* memory functions for main pool */
ISzAlloc allocTempImp;       /* memory functions for temporary pool */

2) call InitCrcTable(); function to initialize CRC structures.

3) call SzArDbExInit(&db); function to initialize db structures.

4) call SzArchiveOpen(inStream, &db, &allocMain, &allocTemp) to open archive
This function opens archive "inStream" and reads headers to "db".
All items in "db" will be allocated with "allocMain" functions.
SzArchiveOpen function allocates and frees temporary structures by "allocTemp" functions.

5) List items or Extract items

Listing code:
~~~~~~~~~~~~
{
    UInt32 i;
    for (i = 0; i < db.Database.NumFiles; i++)
    {
        CFileItem *f = db.Database.Files + i;
        printf("%10d  %s\n", (int)f->Size, f->Name);
    }
}

Extracting code:
SZ_RESULT SzExtract(
    ISzInStream *inStream,
    CArchiveDatabaseEx *db,
    UInt32 fileIndex, /* index of file */
    UInt32 *blockIndex, /* index of solid block */
    Byte **outBuffer, /* pointer to pointer to output buffer (allocated with allocMain) */
    size_t *outBufferSize, /* buffer size for output buffer */
    size_t *offset, /* offset of stream for required file in *outBuffer */
    size_t *outSizeProcessed, /* size of file in *outBuffer */
    ISzAlloc *allocMain,
    ISzAlloc *allocTemp);

If you need to decompress more than one file, you can send these values from previous call:
    blockIndex,
    outBuffer,
    outBufferSize,
You can consider "outBuffer" as cache of solid block. If your archive is solid,
it will increase decompression speed.

After decompressing you must free "outBuffer":
    allocImp.Free(outBuffer);

6) call SzArDbExFree(&db, allocImp.Free) to free allocated items in "db".

Memory requirements for .7z decoding
--------------------------------------

Memory usage for Archive opening:
- Temporary pool:
  - Memory for compressed .7z headers (if _LZMA_IN_CB is not defined)
  - Memory for uncompressed .7z headers
  - some other temporary blocks
- Main pool:
  - Memory for database:
    Estimated size of one file structures in solid archive:
    - Size (4 or 8 Bytes)
    - CRC32 (4 bytes)
    - Some file information (4 bytes)
    - File Name (variable length) + pointer + allocation structures

Memory usage for archive Decompressing:
- Temporary pool:
  - Memory for compressed solid block (if _LZMA_IN_CB is not defined)
- Memory for LZMA decompressing structures
- Main pool:
  - Memory for decompressed solid block

If _LZMA_IN_CB is defined, 7z Decoder will not allocate memory for compressed blocks. Instead of this, you must allocate buffer with desired size before calling 7z Decoder. Use 7zMain.c as example.

EXIT codes
-----------

7z Decoder functions can return one of the following codes:

#define SZ_OK (0)
#define SZE_DATA_ERROR (1)
#define SZE_OUTOFMEMORY (2)
#define SZE_CRC_ERROR (3)
#define SZE_NOTIMPL (4)
#define SZE_FAIL (5)
#define SZE_ARCHIVE_ERROR (6)

LZMA Defines
-------------

_LZMA_IN_CB       - Use special callback mode for input stream to reduce memory requirements

_SZ_FILE_SIZE_64  - define it if you need support for files larger than 4 GB
_SZ_NO_INT_64     - define it if your compiler doesn't support long long int

_LZMA_PROB32      - it can increase LZMA decompressing speed on some 32-bit CPUs.

_SZ_ONE_DIRECTORY - define it if you want to locate all source files to one directory
_SZ_ALLOC_DEBUG   - define it if you want to debug alloc/free operations to stderr.

---

http://www.7-zip.org
http://www.7-zip.org/support.html
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%
% Source: sehyph.tex (2003-09-08)
% Author: Jan Michael Rynning
%
% The above mentioned file should become obsolete,
% and the author of the original file should preferable modify this file instead.
%
% Modifications were needed in order to support native UTF-8 engines,
% but functionality (hopefully) didn't change in any way, at least not intentionally.
% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
%
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodifisation of patterns already long before
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or ask for credentials for SVN repository and commit it yourself;
we will then upload the whole "package" to CTAN.

Before a new "pattern-revolution" starts,
please try to follow some guidelines if possible:

- \lccode is *forbidden*, and I really mean it
- all the patterns should be in UTF-8
- the only "allowed" TeX commands in this file are: \patterns, \hyphenation,
  and if you really cannot do without, also \input and \message
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We know that TeX is extremely powerful, but give a stupid parser
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Swedish hyphenation patterns.

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Revision history:
1991-01-08: First version available for anonymous FTP.
1991-08-08: Changed \aa to \aa0 at end of line, to stop TeX from
  concatenating the patterns.
1991-09-03: Cleaned up lots of inconsistencies in the dictionary.
  As a consequence, the patterns shrunk a lot. Also
  added some 4000 one-syllable words, some of which were
  hyphenated by the old patterns, and some 1500 compound
%  words, about half of which were incorrectly hyphenated
%  by the old patterns.
% 1991-11-01: Added another some 6200 compound words, all of which were
%  incorrectly hyphenated by the old patterns.
% 1991-11-13: Added another some 6500 compound words, all of which were
%  incorrectly hyphenated by the old patterns.
% 1992-01-30: Changed macros to ^^, for use with LaTeX and dc fonts.
% 1994-03-03: The hyphenated dictionary now contains about 118,000 words.
%  The hyphenation now works much better for compound words.
%  Patgen parameters: 1 2 20, 2 1 8, 1 4 7, 3 2 1, 1 10000 4.
%
% This file contains Swedish hyphenation patterns for TeX. It assumes
% that you have fonts with the Swedish letters in the positions where
% they occur in ISO Latin 1 (ISO 8859/1):
% Letter:   \AA \"A \"O \'E \aa \"a \"o \'e
% Position: "C5 "C4 "D6 "C9 "E5 "E4 "F6 "E9
%
% Load this file into initex after plain.tex (or lplain.tex, splain.tex,
% or whatever).
%
% The patterns were generated in such a way that they will hyphenate
% correctly if \lefthyphenmin>=1 and \righthyphenmin>=2.
%
% These hyphenation patterns work quite well for simple words, but not
% quite as well for compound words. I'm working on improving the quality,
% by adding more words. If you know any Swedish words which are not
% correctly hyphenated using these patterns, or if you have questions or
% comments, please contact me:
%
% Jan Michael Rynning <jmr@incolumitas.se>
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%
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 * Written by Wilco Dijkstra, 1996. The following email exchange establishes the
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 * From: Wilco Dijkstra <Wilco.Dijkstra@ntlworld.com>
 * Date: Fri, Jun 24, 2011 at 3:20 AM
 * Subject: Re: sqrt routine
 * To: Kevin Ma <kma@google.com>
 * Hi Kevin,
 * Thanks for asking. Those routines are public domain (originally posted to
 * comp.sys.arm a long time ago), so you can use them freely for any purpose.
 * Cheers,
 * Wilco
 *
 * ----- Original Message ----- 
 * From: "Kevin Ma" <kma@google.com>
 * To: <Wilco.Dijkstra@ntlworld.com>
 * Subject: Fwd: sqrt routine
 * Hi Wilco,
 * I saw your sqrt routine from several web sites, including
* http://www.finesse.demon.co.uk/steven/sqrt.html.
* Just wonder if there's any copyright information with your Successive
* approximation routines, or if I can freely use it for any purpose.
* Thanks.
* Kevin
*/

Files:
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modules/audio_coding/codecs/g711/main/source/g711.h

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/*
* SpanDSP - a series of DSP components for telephony
* g711.h - In line A-law and u-law conversion routines
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modules/audio_coding/codecs/g722/main/source/g722_enc_dec.h
modules/audio_coding/codecs/g722/main/source/g722_encode.c

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* g722_decode.c - The ITU G.722 codec, decode part.
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* Based in part on a single channel G.722 codec which is:
/*
 * Copyright (c) CMU 1993
 * Computer Science, Speech Group
 * Chengxiang Lu and Alex Hauptmann
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modules/audio_device/mac/portaudio/pa_ringbuffer.c
modules/audio_device/mac/portaudio/pa_ringbuffer.h

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/*
 * $Id: pa_memorybarrier.h 1240 2007-07-17 13:05:07Z bjornroche $
 * Portable Audio I/O Library
 * Memory barrier utilities
 *
 * Author: Bjorn Roche, XO Audio, LLC
 */
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$Id: pa_ringbuffer.c 1421 2009-11-18 16:09:05Z bjornroche $
Portable Audio I/O Library
Ring Buffer utility.

Author: Phil Burk, http://www.softsynth.com
modified for SMP safety on Mac OS X by Bjorn Roche
modified for SMP safety on Linux by Leland Lucius
also, allowed for const where possible
modified for multiple-byte-sized data elements by Sven Fischer

Note that this is safe only for a single-thread reader and a
* single-thread writer.
*
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% - 2011-08-16 - Change the licence from GNU LGPL into LPPL v1.3.
% - 2010-05-24 - Fix for Italian patterns for proper hyphenation of -ich and Ljubljana.
% - 2008-06-09 - Import of original ithyph.tex into hyph-utf8 package.
% - 2008-03-08 - (last change in ithyph.tex)
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```c
printf("%s",png_get_copyright(NULL));
```

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Julian Seward, Cambridge, UK.
jsward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006

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EXTRA_TCL_LIBRARY += [ 'snappy-stubs-public.h', 'src/snappy-c.h', 'src/snappy.h', ]

UNIFIED_SOURCES += [ 'src/snappy-c.cc', ]
'src/snappy-sinksource.cc',
'src/snappy-stubs-internal.cc',
'src/snappy.cc',
]

FINAL_LIBRARY = 'xul'

# Suppress warnings in third-party code.
if CONFIG['GNU_CXX']:
    CXXFLAGS += [
        '-Wno-sign-compare',
        '-Wno-unused-function'
    ]

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LZMA SDK

LZMA SDK 4.40
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LZMA SDK provides the documentation, samples, header files, libraries, and tools you need to develop applications that use LZMA compression.

LZMA is default and general compression method of 7z format in 7-Zip compression program (www.7-zip.org). LZMA provides high compression ratio and very fast decompression.

LZMA is an improved version of famous LZ77 compression algorithm. It was improved in way of maximum increasing of compression ratio, keeping high decompression speed and low memory requirements for decompressing.

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LZMA SDK Contents
---------------

LZMA SDK includes:

- C++ source code of LZMA compressing and decompressing
- ANSI-C compatible source code for LZMA decompressing
- C# source code for LZMA compressing and decompressing
- Java source code for LZMA compressing and decompressing
- Compiled file->file LZMA compressing/decompressing program for Windows system

ANSI-C LZMA decompression code was ported from original C++ sources to C.
Also it was simplified and optimized for code size.
But it is fully compatible with LZMA from 7-Zip.

UNIX/Linux version
-------------------
To compile C++ version of file->file LZMA, go to directory
C/7zip/Compress/LZMA_Alone
and type "make" or "make clean all" to recompile all.

In some UNIX/Linux versions you must compile LZMA with static libraries.
To compile with static libraries, change string in makefile
LIB = -lm
to string
LIB = -lm -static

Files
---------------------
C      - C / CPP source code
CS     - C# source code
Java   - Java source code
lzma.txt - LZMA SDK description (this file)
7zFormat.txt - 7z Format description
7zC.txt - 7z ANSI-C Decoder description (this file)
methods.txt - Compression method IDs for .7z
LGPL.txt - GNU Lesser General Public License
CPL.html - Common Public License
lzma.exe - Compiled file->file LZMA encoder/decoder for Windows
history.txt - history of the LZMA SDK

Source code structure
---------------------
C - C / CPP files
Common - common files for C++ projects
Windows - common files for Windows related code
7zip - files related to 7-Zip Project
Common - common files for 7-Zip
Compress - files related to compression/decompression
   LZ - files related to LZ (Lempel-Ziv) compression algorithm
      BinTree - Binary Tree Match Finder for LZ algorithm
      HashChain - Hash Chain Match Finder for LZ algorithm
      Patricia - Patricia Match Finder for LZ algorithm
RangeCoder - Range Coder (special code of compression/decompression)
LZMA - LZMA compression/decompression on C++
LZMA_Alone - file->file LZMA compression/decompression
LZMA_C - ANSI-C compatible LZMA decompressor
   LzmaDecode.h - interface for LZMA decoding on ANSI-C
   LzmaDecode.c - LZMA decoding on ANSI-C (new fastest version)
   LzmaDecodeSize.c - LZMA decoding on ANSI-C (old size-optimized version)
   LzmaTest.c - test application that decodes LZMA encoded file
   LzmaTypes.h - basic types for LZMA Decoder
   LzmaStateDecode.h - interface for LZMA decoding (State version)
   LzmaStateDecode.c - LZMA decoding on ANSI-C (State version)
   LzmaStateTest.c - test application (State version)
Branch - Filters for x86, IA-64, ARM, ARM-Thumb, PowerPC and SPARC code
Archive - files related to archiving
   7z_C - 7z ANSI-C Decoder

CS - C# files
7zip
Common - some common files for 7-Zip
Compress - files related to compression/decompression
   LZ - files related to LZ (Lempel-Ziv) compression algorithm
   LZMA - LZMA compression/decompression
   LzmaAlone - file->file LZMA compression/decompression
RangeCoder - Range Coder (special code of compression/decompression)

Java - Java files
SevenZip
   Compression - files related to compression/decompression
   LZ - files related to LZ (Lempel-Ziv) compression algorithm
   LZMA - LZMA compression/decompression
   RangeCoder - Range Coder (special code of compression/decompression)

C/C++ source code of LZMA SDK is part of 7-Zip project.
You can find ANSI-C LZMA decompressing code at folder
C/7zip/Compress/LZMA_C
7-Zip doesn't use that ANSI-C LZMA code and that code was developed specially for this SDK. And files from LZMA_C do not need files from
other directories of SDK for compiling.

7-Zip source code can be downloaded from 7-Zip's SourceForge page:

http://sourceforge.net/projects/sevenzip/

LZMA features
-------------
- Variable dictionary size (up to 1 GB)
- Estimated compressing speed: about 1 MB/s on 1 GHz CPU
- Estimated decompressing speed:
  - 8-12 MB/s on 1 GHz Intel Pentium 3 or AMD Athlon
  - 500-1000 KB/s on 100 MHz ARM, MIPS, PowerPC or other simple RISC
- Small memory requirements for decompressing (8-32 KB + DictionarySize)
- Small code size for decompressing: 2-8 KB (depending from speed optimizations)

LZMA decoder uses only integer operations and can be implemented in any modern 32-bit CPU (or on 16-bit CPU with some conditions).

Some critical operations that affect to speed of LZMA decompression:
1) 32*16 bit integer multiply
2) Misspredicted branches (penalty mostly depends from pipeline length)
3) 32-bit shift and arithmetic operations

Speed of LZMA decompressing mostly depends from CPU speed. Memory speed has no big meaning. But if your CPU has small data cache, overall weight of memory speed will slightly increase.

How To Use
----------

Using LZMA encoder/decoder executable
---------------------------------------

Usage: LZMA <e|d> inputFileName outputFile [ <switches>... ]

e: encode file

d: decode file

b: Benchmark. There are two tests: compressing and decompressing with LZMA method. Benchmark shows rating in MIPS (million instructions per second). Rating value is calculated from measured speed and it is normalized with AMD Athlon 64 X2 CPU results. Also Benchmark checks possible hardware errors (RAM
errors in most cases). Benchmark uses these settings:
(-a1, -d21, -fb32, -mfbt4). You can change only -d. Also you
can change number of iterations. Example for 30 iterations:
LZMA b 30
Default number of iterations is 10.

<Switches>

-a{N}: set compression mode 0 = fast, 1 = normal
default: 1 (normal)

d{N}: Sets Dictionary size - [0, 30], default: 23 (8MB)
The maximum value for dictionary size is 1 GB = 2^30 bytes.
Dictionary size is calculated as DictionarySize = 2^N bytes.
For decompressing file compressed by LZMA method with dictionary
size D = 2^N you need about D bytes of memory (RAM).

-fb{N}: set number of fast bytes - [5, 273], default: 128
Usually big number gives a little bit better compression ratio
and slower compression process.

-lc{N}: set number of literal context bits - [0, 8], default: 3
Sometimes lc=4 gives gain for big files.

-lp{N}: set number of literal pos bits - [0, 4], default: 0
lp switch is intended for periodical data when period is
equal 2^N. For example, for 32-bit (4 bytes)
periodical data you can use lp=2. Often it's better to set lc0,
if you change lp switch.

-pb{N}: set number of pos bits - [0, 4], default: 2
pb switch is intended for periodical data
when period is equal 2^N.

Algorithms from hc* group doesn't provide good compression
ratio, but they often works pretty fast in combination with
fast mode (-a0).

Memory requirements depend from dictionary size
(parameter "d" in table below).

<table>
<thead>
<tr>
<th>MF_ID</th>
<th>Memory</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bt2</td>
<td>d * 9.5 + 4MB</td>
<td>Binary Tree with 2 bytes hashing.</td>
</tr>
<tr>
<td>bt3</td>
<td>d * 11.5 + 4MB</td>
<td>Binary Tree with 3 bytes hashing.</td>
</tr>
<tr>
<td>bt4</td>
<td>d * 11.5 + 4MB</td>
<td>Binary Tree with 4 bytes hashing.</td>
</tr>
</tbody>
</table>
hc4    d *  7.5 + 4MB  Hash Chain with 4 bytes hashing.

-eos:  write End Of Stream marker. By default LZMA doesn't write
eos marker, since LZMA decoder knows uncompressed size
stored in .lzma file header.

-si:   Read data from stdin (it will write End Of Stream marker).
-so:   Write data to stdout

Examples:

1) LZMA e file.bin file.lzma -d16 -lc0

compresses file.bin to file.lzma with 64 KB dictionary (2^16=64K)
and 0 literal context bits. -lc0 allows to reduce memory requirements
for decompression.

2) LZMA e file.bin file.lzma -lc0 -lp2

compresses file.bin to file.lzma with settings suitable
for 32-bit periodical data (for example, ARM or MIPS code).

3) LZMA d file.lzma file.bin

decompresses file.lzma to file.bin.

Compression ratio hints
------------------------

Recommendations
---------------

To increase compression ratio for LZMA compressing it's desirable
to have aligned data (if it's possible) and also it's desirable to locate
data in such order, where code is grouped in one place and data is
grouped in other place (it's better than such mixing: code, data, code,
data, ...).

Using Filters
------------

You can increase compression ratio for some data types, using
special filters before compressing. For example, it's possible to
increase compression ratio on 5-10% for code for those CPU ISAs:
x86, IA-64, ARM, ARM-Thumb, PowerPC, SPARC.
You can find C/C++ source code of such filters in folder "7zip/Compress/Branch"

You can check compression ratio gain of these filters with such 7-Zip commands (example for ARM code):

No filter:
7z a a1.7z a.bin -m0=lzma

With filter for little-endian ARM code:
7z a a2.7z a.bin -m0=bc_arm -m1=lzma

With filter for big-endian ARM code (using additional Swap4 filter):
7z a a3.7z a.bin -m0=swap4 -m1=bc_arm -m2=lzma

It works in such manner:
Compressing  = Filter_encoding + LZMA_encoding
Decompressing = LZMA_decoding + Filter_decoding

Compressing and decompressing speed of such filters is very high, so it will not increase decompressing time too much. Moreover, it reduces decompression time for LZMA_decoding, since compression ratio with filtering is higher.

These filters convert CALL (calling procedure) instructions from relative offsets to absolute addresses, so such data becomes more compressible. Source code of these CALL filters is pretty simple (about 20 lines of C++), so you can convert it from C++ version yourself.

For some ISAs (for example, for MIPS) it's impossible to get gain from such filter.

LZMA compressed file format
-------------------------------
Offset Size Description
0  1   Special LZMA properties for compressed data
1  4   Dictionary size (little endian)
5  8   Uncompressed size (little endian). -1 means unknown size
13  Compressed data

ANSI-C LZMA Decoder
---------------------
To compile ANSI-C LZMA Decoder you can use one of the following files sets:
1) LzmaDecode.h + LzmaDecode.c + LzmaTest.c (fastest version)
2) LzmaDecode.h + LzmaDecodeSize.c + LzmaTest.c (old size-optimized version)
3) LzmaStateDecode.h + LzmaStateDecode.c + LzmaStateTest.c (zlib-like interface)
Memory requirements for LZMA decoding
-------------------------------------
LZMA decoder doesn’t allocate memory itself, so you must allocate memory and send it to LZMA.

Stack usage of LZMA decoding function for local variables is not larger than 200 bytes.

How To decompress data
----------------------
LZMA Decoder (ANSI-C version) now supports 5 interfaces:
1) Single-call Decompressing
2) Single-call Decompressing with input stream callback
3) Multi-call Decompressing with output buffer
4) Multi-call Decompressing with input callback and output buffer
5) Multi-call State Decompressing (zlib-like interface)

Variant-5 is similar to Variant-4, but Variant-5 doesn’t use callback functions.

Decompressing steps
-------------------
1) read LZMA properties (5 bytes):
   unsigned char properties[LZMA_PROPERTIES_SIZE];
2) read uncompressed size (8 bytes, little-endian)
3) Decode properties:
   CLzmaDecoderState state; /* it’s 24-140 bytes structure, if int is 32-bit */
   if (LzmaDecodeProperties(&state.Properties, properties, LZMA_PROPERTIES_SIZE) != LZMA_RESULT_OK)
      return PrintError(rs, "Incorrect stream properties");
4) Allocate memory block for internal Structures:
   state.Probs = (CProb *)malloc(LzmaGetNumProbs(&state.Properties) * sizeof(CProb));
   if (state.Probs == 0)
      return PrintError(rs, kCantAllocateMessage);

LZMA decoder uses array of CProb variables as internal structure. By default, CProb is unsigned_short. But you can define _LZMA_PROB32 to make it unsigned_int. It can increase speed on some 32-bit CPUs, but memory usage will be doubled in that case.
5) Main Decompressing

You must use one of the following interfaces:

5.1 Single-call Decompressing

-----------------------------
When to use: RAM->RAM decompressing
Compile files: LzmaDecode.h, LzmaDecode.c
Compile defines: no defines
Memory Requirements:
- Input buffer: compressed size
- Output buffer: uncompressed size
- LZMA Internal Structures (~16 KB for default settings)

Interface:
int res = LzmaDecode(&state,
inStream, compressedSize, &inProcessed,
outStream, outSize, &outProcessed);

5.2 Single-call Decompressing with input stream callback

--------------------------------------------------------
When to use: File->RAM or Flash->RAM decompressing.
Compile files: LzmaDecode.h, LzmaDecode.c
Compile defines: _LZMA_IN_CB
Memory Requirements:
- Buffer for input stream: any size (for example, 16 KB)
- Output buffer: uncompressed size
- LZMA Internal Structures (~16 KB for default settings)

Interface:
typedef struct _CBuffer
{
   ILzmaInCallback InCallback;
   FILE *File;
   unsigned char Buffer[kInBufferSize];
} CBuffer;

int LzmaReadCompressed(void *object, const unsigned char **buffer, SizeT *size)
{
   CBuffer *bo = (CBuffer *)object;
   *buffer = bo->Buffer;
   *size = MyReadFile(bo->File, bo->Buffer, kInBufferSize);
   return LZMA_RESULT_OK;
}

CBuffer g_InBuffer;
g_InBuffer.File = inFile;
g_InBuffer.InCallback.Read = LzmaReadCompressed;
int res = LzmaDecode(&state,
    &g_InBuffer.InCallback,
    outStream, outSize, &outProcessed);

5.3 Multi-call decompressing with output buffer
-----------------------------------------------
When to use: RAM->File decompressing
Compile files: LzmaDecode.h, LzmaDecode.c
Compile defines: _LZMA_OUT_READ
Memory Requirements:
- Input buffer: compressed size
- Buffer for output stream: any size (for example, 16 KB)
- LZMA Internal Structures (~16 KB for default settings)
- LZMA dictionary (dictionary size is encoded in stream properties)

Interface:

state.Dictionary = (unsigned char *)malloc(state.Properties.DictionarySize);

LzmaDecoderInit(&state);
do
{
    LzmaDecode(&state,
        inBuffer, inAvail, &inProcessed,
        g_OutBuffer, outAvail, &outProcessed);
inAvail -= inProcessed;
inBuffer += inProcessed;
} while you need more bytes

see LzmaTest.c for more details.

5.4 Multi-call decompressing with input callback and output buffer
------------------------------------------------------------------
When to use: File->File decompressing
Compile files: LzmaDecode.h, LzmaDecode.c
Compile defines: _LZMA_IN_CB, _LZMA_OUT_READ
Memory Requirements:
- Buffer for input stream: any size (for example, 16 KB)
- Buffer for output stream: any size (for example, 16 KB)
- LZMA Internal Structures (~16 KB for default settings)
- LZMA dictionary (dictionary size is encoded in stream properties)
Interface:

state.Dictionary = (unsigned char *)malloc(state.Properties.DictionarySize);

LzmaDecoderInit(&state);

do
{
    LzmaDecode(&state,
               &bo.InCallback,
               g_OutBuffer, outAvail, &outProcessed);
} while you need more bytes

see LzmaTest.c for more details:

5.5 Multi-call State Decompressing (zlib-like interface)

When to use: file->file decompressing
Compile files: LzmaStateDecode.h, LzmaStateDecode.c
Compile defines:
Memory Requirements:
- Buffer for input stream: any size (for example, 16 KB)
- Buffer for output stream: any size (for example, 16 KB)
- LZMA Internal Structures (~16 KB for default settings)
- LZMA dictionary (dictionary size is encoded in stream properties)

Interface:

state.Dictionary = (unsigned char *)malloc(state.Properties.DictionarySize);

LzmaDecoderInit(&state);

do
{
    res = LzmaDecode(&state,
                      inBuffer, inAvail, &inProcessed,
                      g_OutBuffer, outAvail, &outProcessed,
                      finishDecoding);
    inAvail -= inProcessed;
    inBuffer += inProcessed;
} while you need more bytes

see LzmaStateTest.c for more details:

6) Free all allocated blocks
Note
----
LzmaDecodeSize.c is size-optimized version of LzmaDecode.c. But compiled code of LzmaDecodeSize.c can be larger than compiled code of LzmaDecode.c. So it's better to use LzmaDecode.c in most cases.

EXIT codes
---------
LZMA decoder can return one of the following codes:

#define LZMA_RESULT_OK 0
#define LZMA_RESULT_DATA_ERROR 1

If you use callback function for input data and you return some error code, LZMA Decoder also returns that code.

LZMA Defines
------------
_LZMA_IN_CB    - Use callback for input data
_LZMA_OUT_READ - Use read function for output data

_LZMA_LOC_OPT  - Enable local speed optimizations inside code.
                 _LZMA_LOC_OPT is only for LzmaDecodeSize.c (size-optimized version).
                 _LZMA_LOC_OPT doesn't affect LzmaDecode.c (speed-optimized version) and LzmaStateDecode.c

_LZMA_PROB32   - It can increase speed on some 32-bit CPUs, but memory usage will be doubled in that case

_LZMA_UINT32_IS_ULONG - Define it if int is 16-bit on your compiler and long is 32-bit.

_LZMA_SYSTEM_SIZE_T - Define it if you want to use system's size_t. You can use it to enable 64-bit sizes supporting

C++ LZMA Encoder/Decoder
~~~~~~~~~~~~~~~~~~~~~~~~
C++ LZMA code use COM-like interfaces. So if you want to use it, you can study basics of COM/OLE.

By default, LZMA Encoder contains all Match Finders. But for compressing it's enough to have just one of them. So for reducing size of compressing code you can define:

```
#define COMPRESS_MF_BT
#define COMPRESS_MF_BT4
```

and it will use only bt4 match finder.

---

http://www.7-zip.org
http://www.7-zip.org/support.html

`<?xml version="1.0"?>
<!--
/* Any copyright is dedicated to the Public Domain.
* http://creativecommons.org/publicdomain/zero/1.0/
*/
-->

<?xml-stylesheet href="chrome://global/skin" type="text/css"/>
<?xml-stylesheet href="chrome://mochikit/content/tests/SimpleTest/test.css" type="text/css"/>

<window title="Update Wizard pages: update check, basic, license, download, and finished"
xmlns="http://www.mozilla.org/keymaster/gatekeeper/there.is.only.xul"
onload="runTestDefault();">
  <script type="application/javascript"
src="chrome://mochikit/content/tests/SimpleTest/SimpleTest.js"/>
  <script type="application/javascript"
src="utils.js"/>

  <script type="application/javascript">
    <![CDATA[
      const TESTS = [
        {
          pageid: PAGEID_CHECKING
        },
        {
          pageid: PAGEID_FOUND_BASIC,
          buttonClick: "next"
        },
        {
          pageid: PAGEID_LICENSE,
          extraCheckFunction: checkRadioGroupSelectedIndex,
          expectedRadioGroupSelectedIndex: 1,
          extraDelayedCheckFunction: checkRemoteContentState,
          expectedRemoteContentState: "loading",
          extraDelayedFinishFunction: addRemoteContentLoadListener
    ]]>
```
let url = URL_HTTP_UPDATE_XML + "?showLicense=1&showDetails=1" +
        getVersionParams();
setUpdateURLOverride(url);
gUP.checkForUpdates();
Please be apprised of the following Legal Notices:

A) The U.S. District Court for the Eastern District of Virginia has ruled that the Netscape Navigator code does not infringe Wang's U.S. Patent No. 4,751,669 ("the '669 Patent") because: 1) HTML is not Videotex as defined by the '669 patent; 2) web servers are not central suppliers; and 3) Navigator does not "connect," as defined by the '669 Patent, to web servers on the Internet. Wang may appeal this decision to the Federal Circuit. Wang contended that its Patent disclosing a "Videotex" system, is infringed by the following functionality in the Netscape Navigator code: 1) the animated logo and status line indicators --See Claims 1,8 and 9; 2) the "File Save As" function --See Claims 23-27; 3) Bookmarks and Rename Bookmarks in the Properties window --See Claims 20-22; 4) storing HTML, GIF, and JPEG files and adding filename extensions --See Claim 38

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<?xml version="1.0"?>
<!--
/* Any copyright is dedicated to the Public Domain.

 * http://creativecommons.org/publicdomain/zero/1.0/
 */
const TESTS = [ { 
  pageid: PAGEID_CHECKING
}, 
{ 
  pageid: PAGEID_FOUND_BILLBOARD,
  extraDelayedCheckFunction: checkRemoteContentState,
  expectedRemoteContentState: "loading",
  extraDelayedFinishFunction: addRemoteContentLoadListener
}, 
{ 
  pageid: PAGEID_FOUND_BILLBOARD,
  extraStartFunction: waitForRemoteContentLoaded,
  expectedRemoteContentState: "loaded",
  buttonClick: "next"
}, 
{ 
  pageid: PAGEID_LICENSE,
  extraCheckFunction: checkRadioGroupSelectedIndex,
  expectedRadioGroupSelectedIndex: 1,
  extraDelayedCheckFunction: checkRemoteContentState,
  expectedRemoteContentState: "loading",
  extraDelayedFinishFunction: addRemoteContentLoadListener
}, 
{ 
  pageid: PAGEID_LICENSE,
  extraCheckFunction: checkRadioGroupSelectedIndex,
  expectedRadioGroupSelectedIndex: 0,
  buttonClick: "extra1"}];
function runTest() {
    debugDump("entering");

    let url = URL_HTTP_UPDATE_XML + "?showBillboard=1&showLicense=1" + 
              
    gUP.checkForUpdates();
}

</window>
HOST_SOURCES += ['bsdiff.c',]

HOST_PROGRAM = 'mbsdiff'

LOCAL_INCLUDES += ['/toolkit/mozapps/update/updater',]

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------------------

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----------

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---
Also this package contains files from LZMA SDK
you can download LZMA SDK from this page:
http://www.7-zip.org/sdk.html
read about addtional licenses for LZMA SDK in file DOC/lzma.txt

How to compile
--------------
To compile sources you need Visual C++ 6.0.
For compiling some files you also need new Platform SDK from Microsoft' Site:
http://www.microsoft.com/msdownload/platformsdk/sdkupdate/psdk-full.htm
or
http://www.microsoft.com/msdownload/platformsdk/sdkupdate/XPSP2FULLInstall.htm
or
http://www.microsoft.com/msdownload/platformsdk/sdkupdate/

If you use MSVC6, specify SDK directories at top of directories lists:
Tools / Options / Directories
- Include files
- Library files

To compile 7-Zip for AMD64 and IA64 you need:
Windows Server 2003 SP1 Platform SDK from microsoft.com

Compiling under Unix/Linux
-----------------------------
Check this site for Posix/Linux version:
http://sourceforge.net/projects/p7zip/

Notes:
-----
7-Zip consists of COM modules (DLL files).
But 7-Zip doesn't use standard COM interfaces for creating objects.
Look at
7zip\UI\Client7z folder for example of using DLL files of 7-Zip.
Some DLL files can use other DLL files from 7-Zip.
If you don't like it, you must use standalone version of DLL.
To compile standalone version of DLL you must include all used parts
to project and define some defs.
For example, 7zip\Bundles\Format7z is a standalone version of 7z.dll
that works with 7z format. So you can use such DLL in your project
without additional DLL files.

Description of 7-Zip sources package
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

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</table>

FileManager File Manager

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Igor Pavlov
http://www.7-zip.org

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End of document

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% dehyphts-x-2011-06-01.pat

\message{Swiss-German Hyphenation Patterns (Traditional Orthography) `dehyphts-x' 2011-06-01 (WL)}

% TeX-Trennmuster fr die traditionelle deutsch-schweizerische
% Rechtschreibung
%
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%
%
% The word list is available from
%
% http://repo.or.cz/w/wortliste.git?a=commit;h=2d246449f5c4f570f4d735d3ad091f6ad70f6972
%
% The used patgen parameters are
%
% 1 1 | 2 5 | 1 1 1
% 2 2 | 2 5 | 1 2 1
% 3 3 | 2 6 | 1 1 1
% 4 4 | 2 6 | 1 4 1
% 5 5 | 2 7 | 1 1 1
% 6 6 | 2 7 | 1 6 1
% 7 7 | 2 13 | 1 4 1
% 8 8 | 2 13 | 1 8 1
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% ~~~~~~~~~~~~~~~~~~~
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% This files corresponds to eshyph.tex 4.6.
%
% (c) Javier Bezos 1993 1997.
% (c) Javier Bezos and CervanTeX 2001-2010
% Some parts, (c) by Francesc Carmona
% Licence: LPPL
% For further info, bug reports and comments:
% http://www.tex-tipografia.com/spanish_hyphen.html
%
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% to steal parts of his work without restrictions.
%
% 2010-05-18
%
% ---------------------------------------------
% Javier Bezos               | http://www.cervantex.es/
% ..................................................
% TeX y tipografia           | http://www.tex-tipografia.com/
# -*- Mode: python; c-basic-offset: 4; indent-tabs-mode: nil; tab-width: 40 -*-
# vim: set filetype=python:
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# file, You can obtain one at http://mozilla.org/MPL/2.0/.

EXPORTS += ['SkANP.h',
]

UNIFIED_SOURCES += [
  'ANPCanvas.cpp',
  'ANPPaint.cpp',
  'ANPPath.cpp',
  'ANPTypeface.cpp',
  'SkANP.cpp',
]

FINAL_LIBRARY = 'xul'

DEFINES['SK_BUILD_FOR_ANDROID_NDK'] = True

LOCAL_INCLUDES += [
  '/dom/plugins/base',
  '/dom/plugins/base/android',
  '/gfx/gli',
  '/gfx/skia/trunk/include/config',
  '/gfx/skia/trunk/include/core',
]

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% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
% % Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodification of patterns already long before
% and helped with testing, suggestions and bug reports
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This is `slhyph.tex' as of 15. 4. 97.

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[slovenian hyphenation patterns]

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Generation of hyphen patterns for TeX

Matja Vreko, TeXCeH (SLO), 1990
Email: matjaz@mg-soft.si

Changes:
% 1990    First version of `hyphen.si' (Matja Vreko, TeX CeX)
%
% Some cosmetic changes done later on, but none of these apply any more;
% the patterns are still the same as they were originally:
%
% 1994-05-17 Use of code page 852 in patterns (Leon lajpah)
% 1995-04-06 Release of `sihyph21.tex'
% 1995-06-20 Added `slovenehyphenmins
%           Release of `sihyph22.tex'
% 1997-15-04 Some changes concerning "c, "s, "z and ...
%           Release of `sihyph23.tex'
% 2007-01-20 `sihyph23.tex' renamed to `slhyph.tex'
%           (sl is the proper language code for Slovenian)
%
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% This file is no longer stand-alone; at least for 8-bit engines
% you probably want to use loadhyph-foo.tex (which will load this file) instead.
% Modifications were done by Jonathan Kew, Mojca Miklavec & Arthur Reutenauer
% with help & support from:
% - Karl Berry, who gave us free hands and all resources
% - Taco Hoekwater, with useful macros
% - Hans Hagen, who did the unicodifisation of patterns already long before
% and helped with testing, suggestions and bug reports
% - Norbert Preining, who tested & integrated patterns into TeX Live
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% they belong to loadhyph-foo.tex,
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% they have no influence here and belong elsewhere
% - \begingroup and/or \endinput is not needed
% - feel free to do whatever you want inside comments
%
% We know that TeX is extremely powerful, but give a stupid parser
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%
% For more unformation see
%
% http://tug.org/tex-hyphen
%
%--------------------------------------------------
%
% The Icelandic Plain TeX hyphenation tables
% as of Nov 2 1988.
% Jorgen Pind, Institute of Lexicography, Univ. of Iceland
% jorgen@lexis.hi.is (Internet)
%
% Mar 2 2004: Uploaded a new version to CTAN, with a clarified license
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% Kristinn Gylfason (kristgy@ieee.org)

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%
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% Jacques Desarmenien, Universite de Strasbourg:
%   - << how to run TeX in a French environment: hyphenation, fonts,
%      typography. >> in Tugboat, 5 (1984) 91-102. and TeX85 conference
%   - << La division par ordinateur des mots francais :
%      application a TeX >> in TSI vol. 5 No 4, 1986 (C) AFCET-Gauthier-Villars
% Norman Buckle, UQAH (nb; many additions)
% Michael Ferguson, INRS-Telecommunications (mjf) June 1988
% Justin Bur, Universite de Montreal (jbb; checked against original list)
% all patterns including apostrophe missing from nb list
% after that, GUTenberg and specially Daniel Flipo and Bernard Gaulle
% did their best effort to improve the list of patterns.
%
%****************************************************************************
Adaption of these patterns for
- TeX Version 3.x and MLTeX 3.x (2.x)
- all fonts in T1/`Cork' and/or CM/OT1 encoding
by Bernd Raichle 1996/08/28 (using ideas from `ghyph31.tex'
as of 1994-02-13 maintained by Bernd Raichle).
(An adaption for the old MLTeX 2.x exists but can not be
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its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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directing the user to the copy of this License. Also, you must do one
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a) Accompany the work with the complete corresponding
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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
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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
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c) Accompany the work with a written offer, valid for at
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d) If distribution of the work is made by offering access to copy
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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
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      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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4. You may copy and distribute the Library (or a portion or
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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
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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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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
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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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<!--[CDATA[
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 */
-->

<?xml-stylesheet href="chrome://global/skin" type="text/css"?>
<?xml-stylesheet href="chrome://mochikit/content/tests/SimpleTest/test.css" type="text/css"?>

<window title="Update Wizard pages: update check, add-ons check, basic, license, add-ons list, download, and finished"
xmlns="http://www.mozilla.org/keymaster/gatekeeper/there.is.only.xul"
onload="runTestDefault();">
const TESTS = [ {
    pageid: PAGEID_CHECKING
}, {
    pageid: PAGEID_INCOMPAT_CHECK
}, {
    pageid: PAGEID_FOUND_BASIC,
    buttonClick: "next"
}, {
    pageid: PAGEID_LICENSE,
    extraCheckFunction: checkRadioGroupSelectedIndex,
    expectedRadioGroupSelectedIndex: 1,
    extraDelayedCheckFunction: checkRemoteContentState,
    expectedRemoteContentState: "loading",
    extraDelayedFinishFunction: addRemoteContentLoadListener
}, {
    pageid: PAGEID_LICENSE,
    extraStartFunction: waitForRemoteContentLoaded,
    expectedRemoteContentState: "loaded",
    extraCheckFunction: checkRadioGroupSelectedIndex,
    expectedRadioGroupSelectedIndex: 1,
    extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
    radioClick: "accept"
}, {
    pageid: PAGEID_LICENSE,
    extraCheckFunction: checkRadioGroupSelectedIndex,
    expectedRadioGroupSelectedIndex: 0,
    buttonClick: "next"
}, {
    pageid: PAGEID_INCOMPAT_LIST,
    extraDelayedCheckFunction: checkIncompatibleList,
    buttonClick: "extra1"
}, {
    pageid: PAGEID_LICENSE,
    buttonClick: "extra1"
}, {
    pageid: PAGEID_FOUND_BASIC,
    buttonClick: "next"
}, {
    pageid: PAGEID_LICENSE,
    extraCheckFunction: checkRadioGroupSelectedIndex,
    expectedRadioGroupSelectedIndex: 0,
    extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick,
    radioClick: "decline"
}, {
    pageid: PAGEID_LICENSE,
    extraCheckFunction: checkRadioGroupSelectedIndex,
    expectedRadioGroupSelectedIndex: 1,
extraDelayedFinishFunction: addRadioGroupSelectListenerAndClick, radioClick: "accept"
},
pageid: PAGEID_LICENSE,
extracheckFunction: checkRadioGroupSelectedIndex, expectedRadioGroupSelectedIndex: 0, buttonClick: "next"
},
pageid: PAGEID_INCOMPAT_LIST,
extraddedCheckFunction: checkIncompatibleList, buttonClick: "next"
},
pageid: PAGEID_DOWNLOADING
},
pageid: PAGEID_FINISHED, buttonClick: "extra1"
];

function runTest() {
debugDump("entering");

let url = URL_HTTP_UPDATE_XML + "?showLicense=1&showDetails=1" +
   getVersionParams(getNewerAppVersion(), getNewerPlatformVersion());
setUpdateURLOverride(url);

gUP.checkForUpdates();
}

]]>
</script>

<body xmlns="http://www.w3.org/1999/xhtml">
<p id="display"></p>
<div id="content" style="display: none"></div>
<pre id="test"></pre>
</body>
</window>
<?xml version="1.0"?><!-- This Source Code Form is subject to the terms of the Mozilla Public
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 - file, You can obtain one at http://mozilla.org/MPL/2.0/.
 -->
<?xml-stylesheet href="chrome://global/skin/" type="text/css"?>
<?xml-stylesheet href="chrome://mozapps/skin/extensions/eula.css" type="text/css"?>

<!DOCTYPE window [ !ENTITY % brandDTD SYSTEM "chrome://branding/locale/brand.dtd">
%brandDTD;
<!ENTITY % extensionsDTD SYSTEM "chrome://mozapps/locale/extensions/extensions.dtd">
%extensionsDTD;
}

<dialog xmlns="http://www.mozilla.org/keymaster/gatekeeper/there.is.only.xul"
       title="&eula.title;" width="&eula.width;" height="&eula.height;"
       buttons="accept,cancel" buttonlabelaccept="&eula.accept;"
       ondialogaccept="window.arguments[0].accepted = true"
       onload="Startup();">  
    <script type="application/javascript" src="chrome://mozapps/content/extensions/eula.js"/>
    <stringbundleset id="extensionsSet">
      <stringbundle id="extensionsStrings" src="chrome://mozapps/locale/extensions/extensions.properties"/>
    </stringbundleset>

    <hbox id="heading-container">
      <image id="icon"/>
      <label id="heading" flex="1"/>
    </hbox>

    <textbox id="eula" multiline="true" readonly="true" flex="1"/>
  </dialog>
  
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 * Gets the optional <code>versionIdMarker</code> parameter indicating where in the
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 * results. Results are always ordered first lexicographically (i.e.
 * alphabetically) and then from most recent version to least recent
 * version.
A key marker must be specified when specifying a `<code>versionIdMarker</code>.

Results begin immediately after the version with the specified key and
version ID.

@return The optional `<code>versionIdMarker</code>` parameter indicating where in the
sorted list of all versions in the specified bucket to begin returning results.

@see ListVersionsRequest#setVersionIdMarker(String)
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/GetObjectTaggingRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/internal/S3VersionResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/GetObjectTaggingResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/SetObjectTaggingRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/SetObjectTaggingResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/S3AccelerateUnsupported.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
jar/com/amazonaws/services/s3/model/BucketAccelerateStatus.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/internal/S3RequesterChargedHeaderHandler.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/transform/ObjectTaggingXmlFactory.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/Tag.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/internal/DeleteObjectTaggingHeaderHandler.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/DeleteObjectTaggingResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/GetObjectAclRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/DeleteObjectTaggingRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/ObjectTagging.java

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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/internal/S3RequesterChargedResult.java

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  jar/com/amazonaws/services/s3/model/SetBucketCrossOriginConfigurationRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
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  jar/com/amazonaws/services/s3/model/package-info.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/GroupGrantee.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/SetBucketLoggingConfigurationRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/MD5DigestCalculatingInputStream.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/ObjectListing.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/SetBucketLifecycleConfigurationRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/SetBucketVersioningConfigurationRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/Permission.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/DeleteVersionRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/SetBucketTaggingConfigurationRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/model/S3ObjectSummary.java

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This appendix summarizes the current crypto related meta information associated with an S3 object encrypted using SDK client-side encryption. In SDK's terminology, these meta information are classified as "user metadata". In general, the meta information is just a map of key/value pairs. Physically they are persisted either as metadata of the encrypted S3 object, or as a separate S3 object called an "instruction file" (which is just a JSON file in plaintext.) For all references to the Cipher Algorithm Names, Modes, and Padding, such as `<code>AES/CBC/PKCS5Padding</code>`, please refer to Oracle's `<a href="http://docs.oracle.com/javase/7/docs/technotes/guides/security/StandardNames.html">Java Cryptography Architecture Standard Algorithm Name Documentation</a>` for more details.

Note when a key/value pair is stored as "user metadata" as part of the S3 metadata, the SDK always adds an additional prefix of `<b>x-amz-meta-</b>` to the key name. In contrast, the SDK doesn't add any prefix when the key names are stored in an instruction file. (The reason has to do with how the http headers are handled.)

For example, `<b>x-amz-key</b>` would get stored as `<b>x-amz-meta-x-amz-key</b>` in S3 metadata. In contrast, `<b>x-amz-key</b>` would simply be stored as is (ie without the prefix) in an instruction file.

All the keys described below are considered "user metadata" by the SDK.

For non-KMS client side encryption, this v1 crypto meta information is used to support the "Encryption Only" crypto mode (which involves the use of `<code>AES/CBC/PKCS5Padding</code>` for content encryption, and `<code>AES/ECB</code>` for encrypting the one-time randomly generated data key). For KMS client-side encryption, the v2 crypto meta information is used.
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```
* <table border="1">
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td width="200"><b>x-amz-key</b></td>
* <td>Content encrypting key (cek) in encrypted form, base64 encoded. The cek
* is randomly generated per S3 object, and is always an AES 256-bit key. The
* corresponding cipher is always "AES/CBC/PKCS5Padding".</td>
* </tr>
* <tr>
* <td><b>x-amz-iv</b></td>
* <td>Randomly generated IV (per S3 object), base64 encoded</td>
* </tr>
* <tr>
* <td><b>x-amz-matdesc </b></td>
* <td>Customer provided material description in JSON (UTF8) format. Used to
* identify the client-side master key (ie used to encrypt/wrap the generated
* content encrypting key).</td>
* </tr>
* <tr>
* <td><b>x-amz-unencrypted-content-length</b></td>
* <td>Unencrypted content length (optional but should be specified whenever
* possible).</td>
* </tr>
* </table>

* <h2>S3 v2 crypto meta information (currently supported by the Java SDK)</h2>
* <p>
* This v2 crypto meta information is used to support both authenticated
* encryption (which involves the use of <code>AES/GCM/NoPadding</code> for
* content encryption, and key wrapping for the one-time randomly generated data
* key), and KMS client-side encryption (which can either be encryption-only or
* authenticated encryption.)
* <p>
* <table border="1">
* <tr aligned="left">
* <th>key</th>
* <th>description</th>
* </tr>
* <tr>
* <td width="200"><b>x-amz-key-v2</b></td>
* <td>CEK in key wrapped form. This is necessary so that the S3 encryption
* client that doesn't recognize the v2 format will not mistakenly decrypt S3
* object encrypted in v2 format.</td>
* </tr>
* </table>
```
**x-amz-iv**: Randomly generated IV (per S3 object), base64 encoded. (Same as v1.)

**x-amz-matdesc**: Customer provided material description in JSON format. (Same as v1). Used to identify the client-side master key.

- For KMS client side encryption, the KMS Customer Master Key ID is stored as part of the material description, `<b>x-amz-matdesc</b>`, under the key-name `<code>"kms_cmk_id"</code>`.

**x-amz-unencrypted-content-length**: Unencrypted content length. (optional but should be specified whenever possible. Same as v1.)

**x-amz-wrap-alg**: Key wrapping algorithm used.

- Supported values:
  - AESWrap`, "RSA/ECB/OAEWithSHA-256AndMGF1Padding", "kms"`<code>"/code"></code>
  - No standard key wrapping is used if this meta information is absent
  - Always set to `<b>"kms"</b>` if KMS is used for client-side encryption

**x-amz-cek-alg**: Content encryption algorithm used.

- Supported values:
  - `"AES/GCM/NoPadding"`, "AES/CBC/PKCS5Padding"`<code>"/code"></code>
  - Default to `<code>"AES/CBC/PKCS5Padding"</code>` if this key is absent

**x-amz-tag-len**: Tag length (in bits) when AEAD is in use.

- Supported value: `<code>"128"</code>`
KMS Integration for client-side encryption

All client-side KMS protected S3 objects are stored in v2 crypto meta information format. However, the key wrapping algorithm, \texttt{x-amz-wrap-alg}, is always set to \texttt{"kms"}. The KMS Customer Master Key ID is currently stored as part of the material description, \texttt{x-amz-matdesc}, under the key-name \texttt{"kms_cmk_id"}.

Sample S3 crypto meta information for KMS client-side encryption

**CryptoMode: Encryption Only**

```plaintext
x-amz-meta-x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoalC2YdNRNSMeislG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7es7o8KGpQtmtHTUTUjBLJRua8N6RePiIiAAAAB+MHwGCSqGSlb3DQEHBqBvMG0CAQAwaAYJKoZIhvcNAQcBMB4GCGWCSGSAFlAwQBLjARBAyD0rzN3KHViWixDVcCARCAoWhZ6xA8rob3Z0mNx3uKFieHKVyIC/PIeALvGloVLnf86m
cZJNPtxwMkKkDocVjZ1zGjZTuEfOh
x-amz-iv: xqOHh+M6y0UogwG5SHJM3Q==
x-amz-unencrypted-content-length: 32768
x-amz-cek-alg: AES/CBC/PKCS5Padding
x-amz-wrap-alg: kms
x-amz-matdesc: {"kms_cmk_id":"d3fd2273-4ca0-4da5-b1c2-c89742ec6a26"}
```

**CryptoMode: Authenticated Encryption**

```plaintext
x-amz-key-v2:
CiAJ2GqwpJRnt4izujwoalC2YdNRNSMeislG5rw3pEI+J8hKnAQEBAwB4CdhqsKSUZ7es7o8KGpQtmtHTUTUjBLJRua8N6RePiIiAAAAB+MHwGCSqGSlb3DQEHBqBvMG0CAQAwaAYJKoZIhvcNAQcBMB4GCGWCSGSAFlAwQBLjARBAytfVWyW4l6QmwcPK1ECARCAO1VzoM6Kxa9DHyNMm/BEbbje2vLA7IY7f9OkUoSqrdxgKxpNID9Qal/7928m1DjiU0bJpHejfm89C
x-amz-iv: VZBksyij6DhrUMye
x-amz-unencrypted-content-length: 32768
x-amz-cek-alg: AES/GCM/NoPadding
x-amz-wrap-alg: kms
x-amz-matdesc: {"kms_cmk_id":"d3fd2273-4ca0-4da5-b1c2-c89742ec6a26"}
x-amz-tag-len: 128
```

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* The following key is always included as part of the S3 metadata of the instruction file (which is just an S3 object). Since the SDK treats this key as "user metadata", the key name is always prefixed with <b>x-amz-meta-</b> when physically stored.

<table>
<thead>
<tr>
<th>key</th>
<th>description</th>
</tr>
</thead>
<tbody>
<tr>
<td>x-amz-crypto-instr-file</td>
<td>the presence of this key is used to indicate this S3 object is an instruction file (of an associated client-side encrypted S3 object).</td>
</tr>
</tbody>
</table>

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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/Utils.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/internal/eventstreaming/Message.java
jar/com/amazonaws/services/s3/internal/eventstreaming/Checkums.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
jar/com/amazonaws/services/s3/internal/eventstreaming/HeaderType.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
jar/com/amazonaws/services/s3/internal/eventstreaming/HeaderValue.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
jar/com/amazonaws/services/s3/internal/eventstreaming/Prelude.java
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/transform/SelectObjectContentEventUnmarshaller.java
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/JSONOutput.java
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/SelectObjectContentEventException.java

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 */
/**
 * Interface for providing encryption materials.
* Implementations are free to use any strategy for providing encryption
* materials, such as simply providing static material that doesn't change,
* or more complicated implementations, such as integrating with existing
* key management systems.
*/

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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
jar/com/amazonaws/services/s3/model/KMSEncryptionMaterialsProvider.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
jar/com/amazonaws/services/s3/model/PutInstructionFileRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/Internal/InputSubstream.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/transform/MultiObjectDeleteXmlFactory.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/Encryption.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/Internal/S3QueryStringSigner.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/CopyObjectResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/Internal/S3RestoreOutputPathHeaderHandler.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/transform/BucketConfigurationXmlFactory.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/transfer/TransferManager.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/OutputSerialization.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/transfer/internal/CompleteMultipartCopy.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/AmazonS3Exception.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/RestoreObjectResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/Internal/BucketNameUtils.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/HeadBucketRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/Internal/UploadCallable.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/LegacyS3ProgressListener.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/DeleteObjectRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/ListBucketsRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/TransferTransferProgress.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/Unmarshallers.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/VersionListing.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/AbstractHandler.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/AbstractSSEHandler.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/ObjectMetadata.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/UploadPartRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-1-11-406-sources-jar/com/amazonaws/services/s3/model/CannedAccessControlList.java

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// The Amazon S3 DevPay token header is a special exception and can be safely moved

Found in path(s):
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/AmazonS3Client.java
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/internal/GetObjectTaggingResponseHeaderHandler.java
  /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-
  jar/com/amazonaws/services/s3/internal/SetObjectTaggingResponseHeaderHandler.java
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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/internal/ServerSideEncryptionResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/CORSRule.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/BucketLifecycleConfiguration.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/internal/ResponseHeaderHandlerChain.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/internal/DeleteObjectsResponse.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/ResponseHeaderOverrides.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/BucketCrossOriginConfiguration.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/HeaderHandler.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/transfer/internal/UploadMonitor.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/SetBucketNotificationConfigurationRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/MultiObjectDeleteException.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/CopyPartResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/ObjectExpirationResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/CopyPartRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-1-11-406-sources-jar/com/amazonaws/services/s3/model/ObjectRestoreResult.java

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* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/GetBucketEncryptionResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/inventory/ServerSideEncryptionS3.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/GetBucketEncryptionRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/DeleteBucketEncryptionResult.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/inventory/ServerSideEncryptionKMS.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/SourceSelectionCriteria.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/DeleteBucketEncryptionRequest.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/inventory/InventoryEncryption.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/EncryptionConfiguration.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/ServerSideEncryptionConfiguration.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/SseKmsEncryptedObjects.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/ServerSideEncryptionByDefault.java
* /opt/cola/permits/1124222516_1611010427.75/0/aws-java-sdk-s3-3-11-406-sources-
jar/com/amazonaws/services/s3/model/SetBucketEncryptionResult.java
1.488 flutter 2.1.2

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import 'package:file/memory.dart';
import 'package:flutter_tools/src/asset.dart';
import 'package:flutter_tools/src/base/file_system.dart';
import 'package:flutter_tools/src/convert.dart';
import 'package:package_config/package_config.dart';
import 'package:package_config/package_config_types.dart';

import './src/common.dart';

const String _kMitLicense = r'''
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SOFTWARE.
''';

const String _kApacheLicense = r'''
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void main() {
  FileSystem fileSystem;
  LicenseCollector licenseCollector;

  setUp(() {
    fileSystem = MemoryFileSystem.test();
    licenseCollector = LicenseCollector(fileSystem: fileSystem);
  });

  testWithoutContext('processes dependent licenses according to instructions', () async {
    fileSystem.file('foo/NOTICES')
      ..createSync(recursive: true)
      ..writeAsStringSync(_kMitLicense);
    fileSystem.file('bar/NOTICES')
      ..createSync(recursive: true)
      ..writeAsStringSync(_kApacheLicense);
    // NOTICES is preferred over LICENSE
    fileSystem.file('bar/LICENSE')
      ..createSync(recursive: true)
      ..writeAsStringSync('SHOULD NOT BE INCLUDED');
    fileSystem.file('fizz/LICENSE')
      ..createSync(recursive: true)
      ..writeAsStringSync(_kMitLicense) // intentionally a duplicate

    final File packageConfigFile = fileSystem.file('package_config.json')
      ..writeAsStringSync(json.encode(
        <String, Object>[
          'configVersion': 2,
          'packages': <Object>[
            <String, Object>[
              'name': 'foo',
              'rootUri': 'file:///foo/',
              'packageUri': 'lib/',
              'languageVersion': '2.2'
            ],
            <String, Object>[
              'name': 'bar',
              'rootUri': 'file:///bar/',
              'packageUri': 'lib/',
              'languageVersion': '2.2'
            ],
            <String, Object>[
              'name': 'fizz',
              'rootUri': 'file:///fizz/',
              'packageUri': 'lib/',
              'languageVersion': '2.2'
            ]
        ]
      ));
  });
}
final PackageConfig packageConfig = await loadPackageConfig(packageConfigFile.absolute);
final LicenseResult result = licenseCollector.obtainLicenses(packageConfig);

// All included licenses are combined in the result.
expect(result.combinedLicenses, contains(_kApacheLicense));
expect(result.combinedLicenses, contains(_kMitLicense));

// String from LICENSE file was not included when NOTICES exists.
expect(result.combinedLicenses, isNot(contains('SHOULD NOT BE INCLUDED')));

// Licenses are de-duplicated correctly.
expect(result.combinedLicenses, hasLength(2));

// All input licenses included in result.
final Iterable<String> filePaths = result.dependencies.map((File file) => file.path);
expect(filePaths, unorderedEquals(<String>[#/foo/NOTICES',
  '?/bar/NOTICES',
  '?/fizz/LICENSE' ]));

import 'dart:async';
import 'package:meta/meta.dart' show visibleForTesting;

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// found in the LICENSE file.

// @dart = 2.8

import 'dart:async';
import 'package:meta/meta.dart' show visibleForTesting;

/// Signature for callbacks passed to [LicenseRegistry.addLicense].
typedef LicenseEntryCollector = Stream<LicenseEntry> Function();

/// A string that represents one paragraph in a [LicenseEntry].
///
/// // See [LicenseEntry.paragraphs].
class LicenseParagraph {
const LicenseParagraph(this.text, this.indent);

/// The text of the paragraph. Should not have any leading or trailing whitespace.
final String text;

/// How many steps of indentation the paragraph has.
///
/// * 0 means the paragraph is not indented.
/// * 1 means the paragraph is indented one unit of indentation.
/// * 2 means the paragraph is indented two units of indentation.
///
/// ...and so forth.
///
/// In addition, the special value [centeredIndent] can be used to indicate
/// that rather than being indented, the paragraph is centered.
final int indent; // can be set to centeredIndent

/// A constant that represents "centered" alignment for [indent].
static const int centeredIndent = -1;

/// A license that covers part of the application's software or assets, to show
/// in an interface such as the [LicensePage].
///
/// For optimal performance, [LicenseEntry] objects should only be created on
/// demand in [LicenseEntryCollector] callbacks passed to
/// [LicenseRegistry.addLicense].
abstract class LicenseEntry {
  /// Abstract const constructor. This constructor enables subclasses to provide
  /// const constructors so that they can be used in const expressions.
  const LicenseEntry();

  /// The names of the packages that this license entry applies to.
 Iterable<String> get packages;

  /// The paragraphs of the license, each as a [LicenseParagraph] consisting of
  /// a string and some formatting information. Paragraphs can include newline
  /// characters, but this is discouraged as it results in ugliness.
  Iterable<LicenseParagraph> get paragraphs;
}

enum _LicenseEntryWithLineBreaksParserState {
  beforeParagraph,
  inParagraph,
}

/// Variant of [LicenseEntry] for licenses that separate paragraphs with blank
/// lines and that hard-wrap text within paragraphs. Lines that begin with one
or more space characters are also assumed to introduce new paragraphs,
unless they start with the same number of spaces as the previous line, in
which case it's assumed they are a continuation of an indented paragraph.

```dart
void initMyLibrary() {

  LicenseRegistry.addLicense(async* {
    yield LicenseEntryWithLineBreaks(<String>['my_library'], ""
}
```
/// Computing the paragraphs is relatively expensive. Doing the work for one
/// license per frame is reasonable; doing more at the same time is ill-advised.
/// Consider doing all the work at once using [compute] to move the work to
/// another thread, or spreading the work across multiple frames using
/// [SchedulerBinding.scheduleTask].
class LicenseEntryWithLineBreaks extends LicenseEntry {
  /// Create a license entry for a license whose text is hard-wrapped within
  /// paragraphs and has paragraph breaks denoted by blank lines or with
  /// indented text.
  const LicenseEntryWithLineBreaks(this.packages, this.text);

  @override
  final List<String> packages;

  /// The text of the license.
  ///
  /// The text will be split into paragraphs according to the following
  /// conventions:
  ///
  /// * Lines starting with a different number of space characters than the
  ///   previous line start a new paragraph, with those spaces removed.
  /// * Blank lines start a new paragraph.
  /// * Other line breaks are replaced by a single space character.
  /// * Leading spaces on a line are removed.
  ///
  /// For each paragraph, the algorithm attempts (using some rough heuristics)
  /// to identify how indented the paragraph is, or whether it is centered.
  final String text;

  @override
  Iterable<LicenseParagraph> get paragraphs sync* {
    int lineStart = 0;
    int currentPosition = 0;
    int lastLineIndent = 0;
    int currentLineIndent = 0;
    int currentParagraphIndentation;
    _LicenseEntryWithLineBreaksParserState state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
    final List<String> lines = <String>[
      void addLine() {
        assert(lineStart < currentPosition);
        lines.add(text.substring(lineStart, currentPosition));
      }

      LicenseParagraph getParagraph() {
        assert(lines.isNotEmpty);
        assert(currentParagraphIndentation != null);
        
        int nextLineIndent = text[lineStart].length;
        if (state == _LicenseEntryWithLineBreaksParserState.beforeParagraph) {
          state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
        } else {
          state = _LicenseEntryWithLineBreaksParserState.betweenParagraphs;
        }

        if (nextLineIndent != currentLineIndent) {
          currentParagraphIndentation = (nextLineIndent == 0) ? null : nextLineIndent;
          lines.add(text.substring(lineStart, currentPosition + currentLineIndent));
          lineStart += currentLineIndent;
          currentLineIndent = nextLineIndent;
        } else {
          if (currentParagraphIndentation == null) {
            currentParagraphIndentation = nextLineIndent;
          } else if (currentParagraphIndentation != nextLineIndent) {
            currentParagraphIndentation = null;
          }
          lines.add(text.substring(lineStart, currentPosition + currentLineIndent));
          lineStart += currentLineIndent;
          currentLineIndent = nextLineIndent;
        }

        return new LicenseParagraph(lines[currentParagraphIndentation], text.substring(lineStart, currentPosition + currentLineIndent));
      }
    }
  }
}
final LicenseParagraph result = LicenseParagraph(lines.join(' '), currentParagraphIndentation);
assert(result.text.trimLeft() == result.text);
assert(result.text.isNotEmpty);
lines.clear();
return result;

while (currentPosition < text.length) {
    switch (state) {
    case _LicenseEntryWithLineBreaksParserState.beforeParagraph:
        assert(lineStart == currentPosition);
        switch (text[currentPosition]) {
            case ' ':
                lineStart = currentPosition + 1;
                currentLineIndent += 1;
                state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
                break;
            case '	':
                lineStart = currentPosition + 1;
                currentLineIndent += 8;
                state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
                break;
            case '':
                case '
':
                case '':
                    if (lines.isNotEmpty) {
                        yield getParagraph();
                    }
                    if (text[currentPosition] == '\r' && currentPosition < text.length - 1
                        && text[currentPosition + 1] == '\n') {
                        currentPosition += 1;
                    }
                    lastLineIndent = 0;
                    currentLineIndent = 0;
                    currentParagraphIndentation = null;
                    lineStart = currentPosition + 1;
                    state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
                    break;
            case '[':
                // This is a bit of a hack for the LGPL 2.1, which does something like this:
                //
                //   [this is a
                //    single paragraph]
                //
                // ...near the top.
                currentLineIndent += 1;
                continue startParagraph;
                startParagraph:
default:
    if (lines.isNotEmpty && currentLineIndent > lastLineIndent) {
        yield getParagraph();
        currentParagraphIndentation = null;
    }

    // The following is a wild heuristic for guessing the indentation level.
    // It happens to work for common variants of the BSD and LGPL licenses.
    if (currentParagraphIndentation == null) {
        if (currentLineIndent > 10)
            currentParagraphIndentation = LicenseParagraph.centeredIndent;
        else
            currentParagraphIndentation = currentLineIndent ~/ 3;
    }
    state = _LicenseEntryWithLineBreaksParserState.inParagraph;
}
break;
case _LicenseEntryWithLineBreaksParserState.inParagraph:
    switch (text[currentPosition]) {
        case '\n':
            addLine();
            lastLineIndent = currentLineIndent;
            currentLineIndent = 0;
            lineStart = currentPosition + 1;
            state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
            break;
        case '\f':
            addLine();
            yield getParagraph();
            lastLineIndent = 0;
            currentLineIndent = 0;
            currentParagraphIndentation = null;
            lineStart = currentPosition + 1;
            state = _LicenseEntryWithLineBreaksParserState.beforeParagraph;
            break;
        default:
            state = _LicenseEntryWithLineBreaksParserState.inParagraph;
        }
    break;
}
currentPosition += 1;
}
switch (state) {
    case _LicenseEntryWithLineBreaksParserState.beforeParagraph:
        if (lines.isNotEmpty) {
            yield getParagraph();
        }
    break;
case _LicenseEntryWithLineBreaksParserState.inParagraph:
addLine();
yield getParagraph();
break;
}
}
}

/// A registry for packages to add licenses to, so that they can be displayed
/// together in an interface such as the [LicensePage].
/// Packages can register their licenses using [addLicense]. User interfaces
/// that wish to show all the licenses can obtain them by calling [licenses].
/// The flutter tool will automatically collect the contents of all the LICENSE
/// files found at the root of each package into a single LICENSE file in the
/// default asset bundle. Each license in that file is separated from the next
/// by a line of eighty hyphens (`-`), and begins with a list of package names
/// that the license applies to, one to a line, separated from the next by a
/// blank line. The `services` package registers a license collector that splits
/// that file and adds each entry to the registry.
/// The LICENSE files in each package can either consist of a single license, or
/// can be in the format described above. In the latter case, each component
/// license and list of package names is merged independently.
/// See also:
/// * [showAboutDialog], which shows a Material-style dialog with information
///   about the application, including a button that shows a [LicensePage] that
///   uses this API to select licenses to show.
/// * [AboutListTile], which is a widget that can be added to a [Drawer]. When
///   tapped it calls [showAboutDialog].

class LicenseRegistry {
  // This class is not meant to be instantiated or extended; this constructor
  // prevents instantiation and extension.
  // ignore: unused_element
  LicenseRegistry._();

  static List<LicenseEntryCollector> _collectors;

  /// Adds licenses to the registry.
  /// To avoid actually manipulating the licenses unless strictly necessary,
  /// licenses are added by adding a closure that returns a list of
  /// [LicenseEntry] objects. The closure is only called if [licenses] is itself
  /// called; in normal operation, if the user does not request to see the
  /// licenses, the closure will not be called.
static void addLicense(LicenseEntryCollector collector) {
    _collectors ??= <LicenseEntryCollector>[];
    _collectors.add(collector);
}

/// Returns the licenses that have been registered.
/// Generating the list of licenses is expensive.
static Stream<LicenseEntry> get licenses async* {
    if (_collectors == null)
        return;
    for (final LicenseEntryCollector collector in _collectors)
        yield* collector();
}

/// Resets the internal state of [LicenseRegistry]. Intended for use in
/// testing.
@visibleForTesting
static void reset() {
    _collectors = null;
}

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import 'package:flutter/foundation.dart';
import 'package:flutter/material.dart';
import 'package:flutter_driver/driver_extension.dart';

/// This application does nothing but show a screen with the flutter package
/// license in it.

void main() {
  enableFlutterDriverExtension();
  runApp(ShowLicenses());
}

class ShowLicenses extends StatelessWidget {
  Widget _buildTestResultWidget(
   BuildContext context,
    AsyncSnapshot<List<LicenseEntry>> snapshot,
  ) {
    final List<LicenseEntry> entries = snapshot.data;
    String flutterPackage = '';
    final List<String> flutterParagraphs = <String>[
    ];
    String enginePackage = '';
    final List<String> engineParagraphs = <String>[
    ];
    for (final LicenseEntry entry in entries) {
      if (entry.packages.contains('flutter')) {
        flutterPackage = 'flutter';
        flutterParagraphs.addAll(
          entry.paragraphs.map<String>((LicenseParagraph para) => para.text),
        );
      }
      if (entry.packages.contains('engine')) {
        enginePackage = 'engine';
        engineParagraphs.addAll(
          entry.paragraphs.map<String>((LicenseParagraph para) => para.text),
        );
      }
    }
    final List<Widget> result = <Widget>[
      const Text('License Check Test', key: ValueKey<String>('Header')),
      Text(flutterPackage, key: const ValueKey<String>('FlutterPackage')),
      Text(flutterParagraphs.join(' '), key: const ValueKey<String>('FlutterLicense')),
      Text('${flutterParagraphs.length}', key: const ValueKey<String>('FlutterCount')),
    ];
    return result;
  }
}

final List<Widget> result = <Widget>[
  const Text('License Check Test', key: ValueKey<String>('Header')),
  Text(flutterPackage, key: const ValueKey<String>('FlutterPackage')),
  Text(flutterParagraphs.join(' '), key: const ValueKey<String>('FlutterLicense')),
  Text('${flutterParagraphs.length}', key: const ValueKey<String>('FlutterCount')),
];
Text(enginePackage, key: const ValueKey<String>('EnginePackage')),
Text(engineParagraphs.join(' '), key: const ValueKey<String>('EngineLicense')),
Text('${engineParagraphs.length}', key: const ValueKey<String>('EngineCount')));
}

return ListView(
  children: result,
);
}

@override
Widget build(BuildContext context) {
  return MaterialApp(
    home: Scaffold(
      body: FutureBuilder<List<LicenseEntry>>(
        initialData: const <LicenseEntry>[],
        builder: _buildTestResultWidget,
        future: LicenseRegistry.licenses.toList(),
      ),
    ),
  );
}

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// found in the LICENSE file.

import 'dart:async';
import 'dart:io';

import 'package:flutter_driver/flutter_driver.dart';
import 'package:path/path.dart' as path;
import 'package:test/test.dart' hide TypeMatcher, isInstanceOf;
import 'package:vm_service_client/vm_service_client.dart';

// Connect and disconnect from the empty app.
void main() {
  // Load the license file from disk to compare it with the one in the app.
  final File licenseFile = File(path.join('..', '..', '..', 'packages', 'flutter', 'LICENSE'));
  if (!licenseFile.existsSync()) {
    print('Test failed. Unable to find LICENSE file at ${licenseFile.path}');
    exit(-1);
  }
  final RegExp newlineSplit = RegExp(r'\s+');
  final String license = licenseFile.readAsStringSync().split(newlineSplit).join(' ').trim();

  group('License file check', () {
    }
}

// Connect and disconnect from the empty app.
void main() {
  // Load the license file from disk to compare it with the one in the app.
  final File licenseFile = File(path.join('..', '..', '..', 'packages', 'flutter', 'LICENSE'));
  if (!licenseFile.existsSync()) {
    print('Test failed. Unable to find LICENSE file at ${licenseFile.path}');
    exit(-1);
  }
  final RegExp newlineSplit = RegExp(r'^\s*');
  final String license = licenseFile.readAsStringSync().split(newlineSplit).join(' ').trim();

  group('License file check', () {

FlutterDriver driver;
IsolatesWorkaround workaround;

setUpAll(() async {
  driver = await FlutterDriver.connect();
  workaround = IsolatesWorkaround(driver);
  await workaround.resumeIsolates();
  await driver.waitUntilFirstFrameRasterized();
});

tearDownAll(() async {
  if (driver != null) {
    await driver.close();
    await workaround.tearDown();
  }
});

test('flutter license', () async {
  await driver.waitFor(find.byValueKey('Header'));
  final String foundPackage = await driver.getText(find.byValueKey('FlutterPackage'));
  final String foundLicense = await driver.getText(find.byValueKey('FlutterLicense'));
  expect(foundPackage, equals('flutter'));
  expect(foundLicense, equals(license));
});

test('engine license', () async {
  await driver.waitFor(find.byValueKey('Header'));
  final String foundPackage = await driver.getText(find.byValueKey('EnginePackage'));
  final String foundLicense = await driver.getText(find.byValueKey('EngineLicense'));
  expect(foundPackage, equals('engine'));
  // The engine has the same license, but with a different Copyright date.
  expect(foundLicense, contains(license.replaceFirst('2014', '2013')));
});

/// Workaround for isolates being paused by driver tests.
/// https://github.com/flutter/flutter/issues/24703

class IsolatesWorkaround {
  IsolatesWorkaround(this._driver);

  final FlutterDriver _driver;
  StreamSubscription<VMIsolateRef> _streamSubscription;

  Future<void> resumeIsolates() async {
    final VM vm = await _driver.serviceClient.getVM();
    // Resume any paused isolate
    for (final VMIsolateRef isolateRef in vm.isolates) {
      // ...
final VMIsolate isolate = await isolateRef.load();
if (isolate.isPaused) {
    isolate.resume();
}

if (_streamSubscription != null) {
    return;
}

_streamSubscription = _driver.serviceClient.onIsolateRunnable
    .asBroadcastStream()
    .listen((VMIsolateRef isolateRef) async {
final VMIsolate isolate = await isolateRef.load();
if (isolate.isPaused) {
    isolate.resume();
}
});

Future<void> tearDown() async {
    if (_streamSubscription != null) {
        await _streamSubscription.cancel();
    }
}

1.489 logback-core 1.2.3
1.489.1 Available under license:

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1.490 jackson-jaxrs-json-provider 2.9.7
1.490.1 Available under license:

# 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. It is currently developed by a community of developers, as well as supported
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1.491 supervisor 3.3.1-1+deb9u1

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1.492 elasticsearch-secure-sm 6.8.12

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.496 linux-headers 4.19.36 r0

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<signature of Ty Coon>, 1 April 1989
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/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
  *loss of link, and correctly re-enable PHY when link is
  *re-established. (put back CFG_PHYIE)
  *
  * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
  *
  * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
  *
  * Linux driver for the IDT77201 NICStAR PCI ATM controller.
  * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
  * see init_nicstar() for PHY initialization to change this. This driver
  * expects the Linux ATM stack to support scatter-gather lists
  * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
  *
  * Implementing minimal-copy of received data:
  *   IDT always receives data into a small buffer, then large buffers
  *   as needed. This means that data must always be copied to create
  *   the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
  *   Fix is simple: make large buffers large enough to hold entire
  *   SDU, and leave <small_buffer_data> bytes empty at the start. Then
  *   copy small buffer contents to head of large buffer.
  *   Trick is to avoid fragmenting Linux, due to need for a lot of large
  *   buffers. This is done by 2 things:
  *     1) skb->destructor / skb->atm.recycle_buffer
  *        combined, allow nicstar_free_rx_skb to be called to
  *        recycle large data buffers
  *     2) skb_clone of received buffers
  *   See nicstar_free_rx_skb and linearize_buffer for implementation
  *   details.
  *
  *
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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.
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1.509 vixie-cron 4.1-82

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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\texttt{analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java},
\texttt{analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java},
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* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/ByteBufProcessor.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4-1-48-final-sources-1-jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java
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* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4.1.48-final-sources-1-jar/io/netty/buffer/PoolThreadCache.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4.1.48-final-sources-1-jar/io/netty/buffer/ByteBufOutputStream.java
* /opt/ws_local/PERMITS_SQL/1068412544_1594398729.94/0/netty-buffer-4.1.48-final-sources-1-jar/io/netty/buffer/SwappedByteBuf.java
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1.520 jnr-netdb 1.1.6

1.521 jackson-dataformat-smile 2.8.11

1.522 blang-semver 3.6.1

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Authors:
Steve Grubb <sgrubb@redhat.com>

1.539 cassandra-lucene-index-plugin 3.11.3.0

1.540 glibc 2.17 307.el7.1

1.540.1 Available under license :

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[This is the first released version of the library GPL. It is
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the same as in the ordinary license.

The reason we have a separate public license for some libraries is that
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changing the library, is in some sense simply using the library, and is
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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.

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

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

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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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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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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.

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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.

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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.

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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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1.541 jsonassert 1.5.0

1.542 gson 2.8.2

1.543 hikaricp 2.3.13

1.544 goanywhere-env 0.0.0-20190910160045

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1.546 compiler 0.9.3

1.547 azure-eventhubs 2.2.0

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import: ../../../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

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1.552 libjpeg-turbo 1.2.90 8.el7
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README for release 6b of 27-Mar-1998
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DOCUMENTATION ROADMAP
=======================

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.
OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced “jay-peg”) is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjgcom" and "wrjgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that "The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

REFERENCES
==========

We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.
The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.
The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
================

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation.
We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

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* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/messages/NotificationRecords.java
* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/messages/SelectObjectContentArgs.java
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* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/ListenBucketNotificationArgs.java
* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/messages/RetentionDurationUnit.java
* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/GetObjectTagsArgs.java
* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/messages/RetentionDuration.java
* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/ObjectWriteArgs.java
* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/ObjectConditionalReadArgs.java
* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/EnableObjectLegalHoldArgs.java
* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/messages/RetentionDurationYears.java
* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/messages/LegalHold.java
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* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/GetBucketNotificationArgs.java
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* /opt/cola/permits/1105129615_1604900986.23/0/minio-7-1-4-sources-jar/io/minio/messages/ScanRange.java
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<li>Additional CertPath testing and validation data from the CertPath testing tool developed by <a href="https://www.cryptosource.de">cryptosource GmbH</a> and <a href="https://www.mtg.de">media Transfer AG</a> both located in Darmstadt, Germany.</li>
<li><a href="https://www.microfocus.com/">Micro Focus</a> - additional support towards further developing the TLS/DTLS API and the BCJSSE provider.</li>
</ul>

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<li>Victor A. Salaman &lt;salaman@teknos.com&gt; - fixing the bug in Cipher.java which caused it to ignore specified providers, fixing the bug in RSAKeyGenerator which caused keys to be occasionally produced 1 bit too small.</li>
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<li>Markus Niedermann &lt;markus.niedermann@softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.</li>
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<li>Soren Hilmer &lt;hilmer@#064;mail.tele.dk&gt; - initial implementation of netscape certificate request classes.</li>
<li>Uwe Guenther &lt;uwe@#064;cscc.de&gt; - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes.</li>
<li>Markus Bradtke &lt;mab@#064;informatik.uni-kiel.de&gt; - fixing of a logic error in the JDKKeyStore class.</li>
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Martin Petraschek &lt;e9526225@#064;student.tuwien.ac.at&gt; - fixing ASN1 tagging so tag values up to 30 are now supported.

Jess Garms &lt;jgorms@#064;yahoo.com&gt; - fixing 112/168 key size bug for DESede key generation.

Mike Bremford &lt;mike@#064;big.faceless.org&gt; - contributing the initial PKCS7 implementation.

Shankar Srinivasan &lt;ss002@#064;yahoo.com&gt; - S/Mime interoperability testing and debugging.

Stef Hoeben &lt;ilstestef@#064;skynet.be&gt; - adding Montgomery multiplication to the BigInteger class.

Klaudiusz Ciosk &lt;kciosk@#064;max.com.pl&gt; - improving the compatibility of the SMIME package with the Sun JCE.

Thomas Houtekier &lt;Thomas.Houtekier@#064;tectrade.net&gt; - S/Mime testing and debugging. Interoperability with Biztalk.

Don Hillsberry &lt;hillsber@#064;dialcorp.com&gt; - S/Mime testing and debugging.

Kazuo Furuya &lt;kfuruya@#064;infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key
store.

- Jason Novotny &lt;jdnovotny@lbl.gov&gt; - initial work on the openSSL PEM processing.
- Joel Hockey &lt;joel.hockey@qsipayments.com&gt; - initial work on the openSSL PEM processing.
- John Steenbruggen &lt;JohnS@geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.
- Justin Chapweske &lt;justin@chapweske.com&gt; - ordering patch for Tiger message digest.
- John Serock &lt;jserock@#064;hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId. Compliance of KeyUsage extension return value with security API.
- Jason Novotny &lt;jdnovotny@lbl.gov&gt; - initial work on the openSSL PEM processing.
- Joel Hockey &lt;joel.hockey@qsipayments.com&gt; - initial work on the openSSL PEM processing.
- John Steenbruggen &lt;JohnS@geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.
- Justin Chapweske &lt;justin@chapweske.com&gt; - ordering patch for Tiger message digest.
- John Serock &lt;jserock@#064;hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId. Compliance of KeyUsage extension return value with security API.
- Sascha Weinreuter &lt;Sascha.Weinreuter@#064;cit.de&gt; - fixed SMIME saveChanges() bug.
- Andre Wehnert &lt;aw5@#064;mail.inf.tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.
- Luigi Lo Iacono &lt;lo_iacono@#064;nue.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.
- Tim Sakach &lt;tsakach@certivo.net&gt; - SMIME v2 compatibility patches.
- Marcus Povey &lt;mpovey@#064;brookes.ac.uk&gt; - adding the PGP mode to the lightweight API and the provider.
- Sebastian Clau&szlig; &lt;sc2@#064;inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.
- Nicolas Bielza &lt;nicolas.bielza@#064;alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.
- Casey Marshall &lt;rsdio@#064;metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.
- Rick Zeldes &lt;rick.zeldes@#064;eds.com&gt; - initial code for CMS/SMIME CompressedData.
- Jarek Gawor &lt;gawor@#064;msc.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.
- Brett Neumeier &lt;random@#064;rnd.cx&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64.
- Graham Coles &lt;graham.coles@#064;retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.
- J&ouml;rn von Kattche&lt;@eacute:e &lt;J.Kattchee@#064;seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Mult PART objects.
- Matteo Artuso &lt;matarusso@#064;libero.it&gt; - picking up the possible overread in ASN1InputStream.
- Julian Morrison &lt;julian@#064;extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.
- Elmar Sonnenschein &lt;eso@#064;esomail.de&gt; - fix to long conversion in clean room SecureRandom.
- J&ouml;rn Schwarze &lt;JSchwarze@#064;ulc.de&gt; - Locale fix for the clean room JCE.
- Bryan Lovquist &lt;bkl@#064;cps.com.au&gt; - Other provider compatibility fixes for CMS signing.
- Artem Portnoy &lt;Artem_Portnoy@#064;ibi.com&gt; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.
- Michael H&auml;usler &lt;jschwarze@#064;ulc.de&gt; - fix to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64.
- Johan Seland &lt;johans@#064;netfonds.no&gt; - general toString for BigInteger class.
- Johannes Nicolai &lt;johnes.nicolai@#064;novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.
- Marc Doberva &lt;marc.doberva@#064;ilex-si.com&gt; - help in isolating the JSSE/BC RSA key issue.
- Jan Dvorak &lt;jan.dvorak@#064;mathan.cz&gt; - initial implementation of the light weight Null block cipher.
<li>Joe Cohen &lt;jcohen@064forumsys.com&gt; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.</li>
<li>Chris Long &lt;aclong@064ece.cmu.edu&gt; - adding public key decoding to PEMReader.</li>
<li>Hes Siemelink &lt;hes@064izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.</li>
<li>Stefan Puiu &lt;stefanpuiuro@064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.</li>
<li>Kaiser Yang &lt;kaiseryang@064.yahoo.com&gt; - finding BigInteger loop problem in prime generation.</li>
<li>Jiri Urbanec &lt;jiri.urbanec@064ologicacmg.com&gt; - patch to fix defect in DERBMPString.equals().</li>
<li>Justin Kolb &lt;jkolb@064pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
<li>Ralf Hauser &lt;ralfhauser@064gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>
<li>Michal Dvorak &lt;M_Dvorak@kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.</li>
<li>Klaus Greve Fiorentini &lt;Klaus@064cpqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.</li>
<li>Olivier Refalo &lt;Olivier_Refalo@fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData objects.</li>
<li>Mariusz Bandola &lt;mariusz.bandola@064cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for dealing with general objects in sequences.</li>
<li>Brien Oberstein &lt;brien.oberstein@064transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.</li>
<li>Ian Haywood &lt;ian@064haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.</li>
<li>Jonathan Edwards &lt;s34gull@064mac.com&gt; - initial support for reading multiple rings from a PGP key file.</li>
<li>Andrew Thornton &lt;andrew@064caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.</li>
<li>Gregor Leander &lt;gl@064bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.</li>
<li>Antoon Bosselaers &lt;Antoon.Bosselaers@esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.</li>
<li>Peter Sylvester &lt;Peter.Sylvester@064edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.</li>
<li>Doug &lt;ummmmm@064myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.</li>
<li>Francois Staes &lt;fsstaes@064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSГлавнаяSignedDataGenerator, patch to DH key agreement.</li>
<li>W.R. Dittmer &lt;wdittmer@064cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKKeyPair to fix nullpointer exception.</li>
<li>Perez Paz Luis Alberto &lt;laperez@064banxico.org.mx&gt; - patch to use of BitString in X.500 name.</li>
<li>James Wright &lt;James_Wright@064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.</li>
<li>Jim Ford &lt;jim@064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
<li>Michael Hausler &lt;haeusler@064ponton-consulting.de&gt; - extra aliases for provider.</li>
<li>Sai Pullabhotla &lt;psai@064linoma.com&gt; - fix to PGP compressed data generator to improve compression.
levels. Performance improvements for KeyBasedLargeFileProcessor.

Joseph Miller &lt;joseph@064digweb.net.nz&gt; - addition of ZeroBytePadding.

Lars &lt;xyz@064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.

Jeroen van Vianen &lt;jeroen@064vanvianen.nl&gt; - the Signed and Encrypted mail example.

Jun Sun &lt;JSun@064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

Petr Dukem &lt;pdukem@064email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

Filipe Silva &lt;filipe.silva@064wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.

Alpesh Parmar &lt;alps@064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().

Jay Gengelbach &lt;jgengelbach@064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGPSignatureGenerator, initial cut for indefinite length output.

Doug &lt;doug@064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.

Matthew Mundy &lt:mmundy1@064umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.

Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.

Breitenstrom Christian &lt;C.Breitenstrom@064t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko &lt;zanotti@064cad.it&gt; - patch to ordered equality test for X509Name.

Nicola Scendoni &lt;nscendoni@064babelps.it&gt; - patch to add sorting to CertPath validation.

Ville Skyttä&uml; &lt;ville.skytta@064iki.fi&gt; - patch to CRLDistPoint for cRLissuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

Bruce Gordon &lt;bruce.gordon@savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley &lt;Miles.Whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.

Albert Moliner &lt;amoliner@064evintia.com&gt; - initial TSP implementation.

Carlos Lozano &lt;carlos@064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javier Delgadillo &lt;javi@064javicodewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala &lt;joni.hahkala@064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project</a> for making the work available.

Rolf Schillinger&amp;lt;rolf@064sir-wum.de&amp;gt; - initial implementation of Attribute Certificate generation.

Sergey Bahtin &lt;Sergey_Bahtin@yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.

Franck Leroy &lt;Franck.Leroy@064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

Atsuhiko Yamanaka &lt;tyrex@064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

Nickolay Bolshakov &lt;tyrex@064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer &lt;soren.hilmer@064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.
Steve Mitchell &lt;mitchell@interttrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>

Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>

Julien Pasquier &lt;julienpasquier@6free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>

Matteo &lt;matartuso@064libero.it&gt; - sequence patch to ASN1Dump.</li>

Andrew Paterson &lt;andrew.paterson@064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>

Vladimir Molotkov &lt;vladimir.n.molotkov@064intel.com&gt; - extensive provider exception handling compliance testing.</li>

Florin Kollan &lt;adlocflo@064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>

Pavel Vassiliev &lt;paulvas@064gmail.com&gt; - Initial GOST28147Mac implementation.</li>

Tom Pesman &lt;tom@064tnux.net&gt; - addition of DES-3DES encryption for RSAPrivate keys to PEMWriter.</li>

Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>

Arndt Hasch &lt;Arndt.Hasch@maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>

Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>

David M. Lee &lt;dmlee@064crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>

Mike Dillon &lt;md5@embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>

Joel Rees &lt;rees@064dcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>

Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>

Larry Bugbee &lt;bugbee@064mac.com&gt; - initial ECNR implementation.</li>

Remi Blancher &lt;Remi.Blancher@064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>

Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>

Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-3DES 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>

David Josse &lt;david.josse@transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>

Kishimoto Kazuhiko &lt;kazu-k@064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.
<li>Lawrence Tan &lt;lwrnctan#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente &lt;superdupont#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Jœn Eichhorn &lt;jœn@lrg.eichhorn.com#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Karsten Ohme &lt;wi.derstand#064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs.</li>
<li>Olaf Keller, &lt;olaf.keller.bc#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Jœn Eichhorn &lt;jœn@lrg.eichhorn.com#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Carlos Valiente &lt;superdupont#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
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<li>Carlos Valiente &lt;superdupont#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Jœn Eichhorn &lt;jœn@lrg.eichhorn.com#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Carlos Valiente &lt;superdupont#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Jœn Eichhorn &lt;jœn@lrg.eichhorn.com#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Carlos Valiente &lt;superdupont#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis &lt;info&#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim &lt;ryojaquim&#064isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.

David Stacey &lt;DStacey&#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers &lt;list&#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.

Julius Davies &lt;juliusdavies&#064gmail.com&gt; - additional modes and algorithm support in PEMReader.

Matthias &lt;g&#064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.

Olga K&auml;thler &lt;olga.k&auml;thler&#064#064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

Germano Rizzo &lt;germano.rizzo&#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.

N&uuml;ria Mar&iacute; &lt;numaa&#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.

Janis Schuller &lt;js&#064#064zi.de&gt; - addition of NotationData packets for OpenPGP.

Michael Samblanet &lt;Mike&#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.

Mike StJohns &lt;mtstjohns&#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.

Ramon Keller &lt;ramon.keller&#064#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.

Mark Nelson &lt;mark&#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.

Eugene Golushkov &lt;eugene_gff&#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.

Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.

Peter Knopp &lt;pknopp&#064#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.

Jakub Gwozdz &lt;gwozdziu&#064#064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.

Bartosz Malkowski &lt;bmalkow&#064#064igisage.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.

Tal Yacobi &lt;tal.yacobi&#064#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].

Massimiliano Ziccardi &lt;massimiliano.ziccardi&#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.

Andrey Pavlenko &lt;andrey.a.pavlenko&#064#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.

J Ross Nicoll &lt;jrn&#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson &lt;mavricknz&#064#064yahoo.com&gt; - patch to constructor for CRMF CertSequence.

Gabriele Contini &lt;gconteini&#064#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.

Roelof Naude &lt;roelof.naude&#064#064epiuse.com&gt; - patch for TLS client to send empty client cert's in response to HP_Certificate_REQUEST.

Patrick Peck &lt;peck&#064signaturen.at&gt; - identified problem with DERApplicationSpecific and high tag...
numbers in ASN.1 library.

- Michael LeMay &lt;lemaym&064lemaymd.com&gt; - identified problem with EAX [#BJA-93].
- Alex Dupre &lt;ale&064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].
- Michael Schoene &lt;michael&064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().
- Ion Larrañilde:aga &lt;ilarra&064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.
- Stefan Meyer &lt;stefan.meyer&064ewe.de&gt; - backport for PKIXCertPathValidotor and SMIMESignedMailReviewer.
- Rui Hodai &lt;rui&064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.
- Emir Bucalovic &lt;emir.bucalovic&064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.
- Torbjorn Svensson &lt;tobbe79&064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.
- Paul FitzPatrick &lt;bouncycastle_pfitz&064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.
- Henrik Andersson &lt;k.henrik.andersson&064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.
- Cagdas Cirit &lt;cagdascirit&064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.
- Harakiri &lt;harakiri_23&064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.
- Pedro Henriques &lt;pmahenriques&064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.
- Lothar Kimmeringer &lt;job&064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for SMIME API.
- Richard Farr &lt;rfarr.se&064gmail.com&gt; - initial SRP-6a implementation.
- Thomas Castiglione &lt;castiglione&064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.
- Elisabetta Romani &lt;e.romani&064sogei.it&gt; - patch for recognising multiple counter signatures.
- Robin Lundgren &lt;rl737lundgren&064gmail.com&gt; - CMPCertificate constructor from X509CertificateStructure fix.
- Petr Kadlec &lt;mormegil&064centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-256.
- Andreas Antener &lt;antener_a&064gmx.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.
- Mareenra Rawat &lt;hrsrawat&064yahoo.com&gt; - fix for BERConstructedOctetString.
- Rolf Lindemann &lt;lidemann&064trustcenter.de&gt; - patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].
- Alex Artamonov &lt;alexart.home&064gmail.com&gt; - name look up patch for GOST-2001 parameters.
- Mike Lyons &lt;mlyons&064layer7tech.com&gt; - work arounds for EC JDK bug 6738532 and JSSE EC naming convenions.
- Chris Cole &lt;chris_h_cole&064yahoo.com&gt; - identified a problem handling null passwords when loading a BKS keystore.
- Tomas Krivanek &lt;tom&064attack.cz&gt; - added checking of Sender header to SignedMailValidator.
- Michael &lt;emfau&064t-online.de&gt; - correction of field error in getResponse method in CertRepMessage.
- Trevor Perrin &lt;trevor&064cryptography.com&gt; - addition of constant time equals to avoid possible timing
<li>Markus Kilänski &lt;markus#primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>

<li>Dario Novakovic &lt;daronis#yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>

<li>Michael Smith &lt;msmith#cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>

<li>Andrea Zilio &lt;andrea.zilio#064gmail.com&gt; fix for PEM password encryption of private keys.</li>

<li>Alex Birkett &lt;alex#064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#B9A-291].</li>

<li>Wayne Grant &lt;waynedgrant#064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.</li>

<li>Frank Cornelis &lt;info#064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.</li>

<li>Jan Dittberner &lt;jan#064dittberner.info&gt; addHeader patch for SMIME generator.</li>

<li>Bob McGowan &lt;boab.mcgo00#064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.</li>

<li>Ivo Matheis &lt;i.matheis#064seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>

<li>Marco Sandrini &lt;nessche#064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>

<li>Alf Malf &lt;alfilmalf#064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>

<li>Alfonso Massa &lt;alfonso.massaa#064insiel.it&gt; contributions to CMS time stamp classes.</li>

<li>Giacomo Boccardo &lt;gboccardo#064unimaticaspera.it&gt; initial work on CMSTimeStampedDataParser.</li>

<li>Arnis Tartu &lt;arnis#064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>

<li>Janusz Sikociski &lt;J.Sikocinski#064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.</li>

<li>Juri Hudolejev &lt;jhudolejev#064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.</li>

<li>Liane Velten &lt;liane.velten#064hjip-consulting.com&gt; fine tuning of code for DHParameters validation.</li>

<li>Shawn Willden &lt;swillden#064google.com&gt; additional functionality to PGPKeyRing.</li>

<li>Atanas Krachev &lt;akrachev#064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>

<li>Mickael Laiking &lt;mickael.laiking#064keynctis.com&gt; initial cut of EAC classes.</li>

<li>Tim Buktu &lt;buktu#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>

<li>Bernd &lt;rbernd#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>

<li>Steing Inge Morisbak &lt;stein.inge.morisbak#064BEKK.no&gt; Test code for lower case Hex data in PEM headers.</li>

<li>Andreas Schmid &lt;andreas.schmid#064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.</li>

<li>Phil Steitz &lt;phil.steitz#064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>


<li>Petar Petrov &lt;p.petrov#064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.</li>

<li>Daniel Fitzpatrick &lt;daniel.f.nwr#064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>

<li>Andy Neilson &lt;Andy.Neilson#quest.com&gt; a further patches to deal with multiple providers and
Ted Shaw &lt;xiao.xj@#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificateRequests.

Eleriseth &lt;Elerner@#064WPECGLtYbVi8Rl6Y7Vzl2Lvd2EUVW99v3yNV3IWR0G8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root &lt;kenny@#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes &lt;maarten.bodewes@#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Ted Shaw &lt;xiao.xj@#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificateRequests.

Eleriseth &lt;Elerner@#064WPECGLtYbVi8Rl6Y7Vzl2Lvd2EUVW99v3yNV3IWR0G8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

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Maarten Bodewes &lt;maarten.bodewes@#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;philf_b@#064gyahoo.com&gt; Initial implementation of J-PAKE.

Brian Carlstrom &lt;bdc@#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lid&eacute;n Borell &lt;samuel@#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder

Sergio Demian Lerner &lt;sergiolerner@#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington@#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein. XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad@#064primekey.se&gt; patch for working arnound JDK jarsigner TSP bug, optional setting of IssuerSerial inTimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin@#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;tiunov@#064gmail.com&gt; initial cut of DVCS classes.

Damin Kolasa &lt;fatfredyy@#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes &lt;ashley.hughes@#064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher &lt;dev@#064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome@#064gmail.com&gt; initial implementation of EC keys for OpenpPGP and RFC6637 support.

Matti Aarnio &lt;matti.aarnio@#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.

Babak Najafi &lt;bnajafi@#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.

Eric M&amp;uuml;ller &lt;eric.mueller@#064sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts@#064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov@#064gmail.com&gt; addition of provider support for GOST HMAC.
SecretKeyFactory.</li>
<li>Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt; contributions to final Key calculation code for SRP6.</li>
<li>Andrey Utkin &lt;cindirhc&#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>
<li>Arnis Tartu &lt;arnis&#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
<li>Axel VDB &lt;avel-vdb&#064riseup.net&gt; initial implementation of Shacal2.</li>
<li>Roberto Tyley &lt;&gt; further work on completing gradle build.</li>
<li>Waldemar Dick &lt;wdick&#064devmue.de&gt; code improvement in x500 ASN.1 package.</li>
<li>Sid Steward &lt;sid.steward&#064pdflabs.com&gt; code improvements to ASN1Boolean.</li>
<li>Alex Klyubin &lt;klyubin&#064064_google.com&gt; AlgorithmParameters check for EC key agreement.</li>
<li>Jonathan Gillett &lt;g soc.student&#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
<li>Andreas Reiter &lt;andreas.reiter&#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
<li>Kieran Miller &lt;kieran.miller&#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.</li>
<li>Oliver Ehli &lt;ehli&#064064arago.de&gt; Additional support for BSI plain ECDSA in the provider.</li>
<li>Daniel Heldt &lt;Daniel.Heldt&#064cryptovision.com&gt; Initial support for encodable state message digests.</li>
<li>Robert Bushman &lt;bouncycastle&#064064traxel.com&gt; Clean up of DirectKeySignature example.</li>
<li>Maurice Aarts &lt;aarts&#064064risecom.com&gt; updated to KDF generator to follow NIST SP 800-108.</li>
<li>Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
<li>KB Sriram &lt;mail_kb&#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Marco Schulze &lt;marco&#064nightlabs.de&gt; Reported verification bug in GenericSigner.</li>
<li>Martin Schaef &lt;https://github.com/martinschaef&gt; contributed a code-clean up patch.</li>
<li>dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>
<li>Tobias Wich &lt;to hias.wich&#064064ecs ec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
<li>Hauke Mehr tens &lt;hauke&#064064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.</li>
<li>Daniel Zimmerman &lt;dmz&#064064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.</li>
<li>Jens Kapitz a &lt;j kapitz a&#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Eklund &lt;johan&#064064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.</li>
<li>nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.</li>
<li>Axel von dem Bruch &lt;avel-vdb&#064064riseup.net&gt; Contributions to BCrypt/OpenBSD BCrypt, original version of Blake2Digest.</li>
<li>Derek Atkins &lt;derek&#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt;p eto&#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.</li>
<li>lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.</li>
<li>Thomas Belot &lt;thomas.belot+BC&#064064gmail.com&gt; initial CertPathLoopTest for demonstrating stack
Rich DiCroce &lt;https://github.com/rdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
<li>Björn Kautler &lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).</li>
<li>Michael &lt;https://github.com/MSKnete&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.</li>
<li>Tobias Wagner &lt;https://github.com/tobias.wagner&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536]</li>
<li>Sergio Giro &lt;https://github.com/sgiro&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>
<li>bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
<li>Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
<li>Jan Willem Janssen &lt;j.w.janssen@bouncycastle.org&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
<li>Kai Kramer &lt;https://github.com/kai.kramer&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
<li>Benoit Charles &lt;https://github.com/benoit.charles&gt; Fix for IES data length check on decryption.</li>
<li>Niko &lt;https://github.com/nfink95&gt; fix to cast issue in getOutputSize() for ECIES.</li>
<li>Gorka Irazoqui &lt;https://github.com/girazoki&gt; from Intel Security Center of Excellence detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for
improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.

- Joerg Senekowitsch &lt;joerg.senekowitsch&#064veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.
- Alexandr Krivoshta &lt;wipe&#064ya.ru&gt; N4 calculation fix to GOFB mode.
- Artem Storozhuk &lt;storoji72&#064gmail.com&gt; N4 calculation fix to GOFB mode.
- Na Yu &lt;na.yu&#064samsung.com&gt; Constructor patches to CMC PKIData.
- Evangelos Karatsiolis &lt;ekaratsiolis&#064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.
- VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.
- Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland&#064stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.
- Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.
- Artem Storozhuk &lt;storoji72&#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.
- Andreas Glaser &lt;andreas.glaser&#064de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.
- codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.
- FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.
- 4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.
- ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.
- jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.
- str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.
- Scott Woodward &lt;scott#064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.
- David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYP7 bounds checking.
- chris mccown &lt;0xchrismccown&#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).
- ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.
- Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().
- Armin Lunkeit, Michael Tautenhahn &lt;https://github.com/Akretsch&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.
- Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.
- Adam Vartanian &lt;https://github.com/flooeey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().
- Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtility.pipeFileContents use buffer and not leak file handle.
- Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.
Paul Schaub &lt;https://github.com/vanitasvitae&gt;: bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.

Nick of Nexxar &lt;https://github.com/nros&gt;: update to OpenPGP package to handle a broader range of EC curves.

catbref &lt;https://github.com/catbref&gt;: sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valdimir and str4d as well).

gerlion &lt;https://github.com/gerlion&gt;: detection of concurrency issue with pre-1.60 EC math library.

gfrieu &lt;fgfrieu#064gmail.com&gt;: identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSAKeyPair.

MTG &lt;https://github.com/mtgag&gt;: patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.

Andreas Gadermaier &lt;up.gadermaier#064gmail.com&gt;: initial version of Argon2 PBKDF algorithm.

Tony Washer &lt;tony.washer@yahoo.co.uk&gt;: review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.

Vincent Bouckaert &lt;https://github.com/veebee&gt;: initial version of RFC 4998 ASN.1 classes.


Gabriel Sroka &lt;https://github.com/gabrielsroka&gt;: corrected comments in RSA validation.

sarath-mdv &lt;https://github.com/sarah-mdv&gt;: improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.


Gilis95 &lt;https://github.com/Gilis95&gt;: improved JSSE compatibility for setEnabledCipherSuites.


Antoine Touleme &lt;https://github.com/atoulme&gt;: Initial implementation of EthereumIESEngine.


Moses Palm&eacute;r, TrueSec &lt;Henrik.Palmer#064truesec.se&gt;: Additional improvements to constant time comparisons.

Ren&eacute; Korthaus &lt;https://github.com/THausherr&gt;: Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.


Nick hitchan &lt;https://github.com/hitchan&gt;: Fix for typo in engineInitSign() in EdEc SignatureSpi.


Daniel Heldt &lt;https://github.com/dheldt&gt;: Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweaked to inheritance in JceKeyAgreeRecipient.

Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt;: Fix for initially buggy legacy Integers.numberOfLeadingZeros method.

Gsealy &lt;https://github.com/Gsealy&gt;: addition of PBKDF2withHmacSM3 to the provider.

aphuang2013 &lt;https://github.com/aphuang2013&gt;: update to path validation in EST service for ClearPath EST.

Kevin Herron &lt;https://github.com/kevinherron&gt;: Initial ChaCha20Poly1305 prototype.

1.555 jetty-continuation 9.4.16.v20190411

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

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

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

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

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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

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OW2

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

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

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

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### 1.556 mitchellh-mapstructure 1.4.1

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1.560 kerberos 1.18.1

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1.562 go-restful 2.11.0

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Source Files
------------

. The file `src/libs/snprintf/snprintf.c', written by Mark Martinec <mark.martinec@ijs.si>.

Please look into snprintf.c for the copyright message.

The complete snprintf package together with documentation is available from

   http://www.ijs.si/software/snprintf/  .

. The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com> and David Slattengren <slatteng@Xinet.COM>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.

The original package can be found at

   src/preproc/grn/gprint.h
   src/preproc/grn/hdb.cpp
   src/preproc/grn/hgraph.cpp
   src/preproc/grn/hpoint.cpp
   src/preproc/grn/main.cpp

. The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

   src/devices/xditview/DESC.in
   src/devices/xditview/Dvi.c
   src/devices/xditview/Dvi.h
   src/devices/xditview/DviP.h
   src/devices/xditview/FontMap
   src/devices/xditview/GXditview.ad
   src/devices/xditview/Menu.h
   src/devices/xditview/ad2c
   src/devices/xditview/device.c
   src/devices/xditview/device.h
   src/devices/xditview/draw.c
   src/devices/xditview/font.c
   src/devices/xditview/gray1.bmp
   src/devices/xditview/gray2.bmp
   src/devices/xditview/gray3.bmp
   src/devices/xditview/gray4.bmp
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c

src/include/DviChar.h
src/include/XFontName.h

src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c

Macro Packages
--------------

. The -mdoc macro set, using the BSD license.

  tmac/doc.tmac
  tmac/doc-old.tmac
  tmac/doc-common
  tmac/doc-ditroff
  tmac/doc-nroff
  tmac/doc-syms
  tmac/groff_mdoc.man

. The -me macro set, using the BSD license.

  tmac/e.tmac
  tmac/groff_me.man
  doc/meintro.me
  doc/meref.me

Hyphenation Patterns
---------------------

. The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at

  ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex
It has been renamed for consistency, i.e., to make patterns available under the filenames `hyphen.<language>' e.g. `hyphen.de' or `hyphen.uk'.

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. The file `tmac/hyphen.fr' contains the same patterns as the file `frhyph.tex' (for TeX), which can be found at

    http://dante.ctan.org/CTAN/language/hyphenation/frhyph.tex

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. The file `tmac/hyphen.sv' is identical to the file `svhyph.tex', which can be found at

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. The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyphn.tex' and `dehypht.tex' (for TeX), which can be found at

    http://dante.ctan.org/CTAN/language/hyphenation/dehyphn.tex
    http://dante.ctan.org/CTAN/language/hyphenation/dehypht.tex

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. The file `tmac/hyphenex.det' is identical to the file `dehyphtex.tex', which can be found at

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. The file `tmac/hyphen.cs' contains the same patterns as the file `czhyphen.tex' (for TeX), which can be found in the archive

    http://dante.ctan.org/CTAN/macros/cstex/base/csplain.tar.gz

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1.578 debian-archive-keyring 2019.1

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1.590 pcvutils 3.5.1-3.el7

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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.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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normally distributed (in either source or binary form) with the major
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which the executable runs, unless that component itself accompanies
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1.592 rpcbind 0.2.0 49.el7

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 */

1.593 jetty-security 9.4.11.v20180605

1.594 x-text 3.2.17+dfsg-1

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1.595 libestr 0.1.11

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

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

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

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

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b) 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.
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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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1.603 tre 0.8.0

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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**1.619 libgcrypt 1.8.5-r0**

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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.

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Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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Portions of the client are based on code at:
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1.631 go-difflib 1.0.0

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1.632 nfs-utils 1.3.0-0.66.el7_8

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1.637 qemu 1.5.3-173.el7

1.637.1 Available under license:

Index: debug.c

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v

retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- debug.c 7 Sep 2007 10:01:21 -0000 1.1
+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3
@@ -52,7 +52,11 @@
void X86EMU_trace_regs (void)
{
    if (DEBUG_TRACE()) {
-        x86emu_dump_regs();
+        if (M.x86.mode & (SYSMODE_PREFIX_DATA | SYSMODE_PREFIX_ADDR)) {
+            x86emu_dump_xregs();
+        } else {
+            x86emu_dump_regs();
+        }
    }
    if (DEBUG_DECODE() && ! DEBUG_DECODE_NOPRINT()) { 
        printk("%04x:%04x ",M.x86.saved_cs, M.x86.saved_ip);
@@ -185,7 +189,7 @@
for (i=0; i< M.x86.enc_pos; i++) {

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limitations under the License.
sprintf(buf1+2*i,"%02x", fetch_data_byte_abs(s,o+i));
}
- printk("%-20s",buf1);
+ printk("%-20s ",buf1);
}

static void print_decoded_instruction (void)
Index: ops2.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- ops2.c 7 Sep 2007 10:01:21 -0000 1.1
+++ ops2.c 20 Mar 2008 15:48:34 -0000 1.3
@@ -149,8 +149,69 @@
target += (s16) M.x86.R_IP;
 DECODE_PRINTF2("%04x\n", target);
 TRACE_AND_STEP();
- if (cond)
+ if (cond) {
+ M.x86.R_IP = (u16)target;
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+ }
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
+ }
+ 
+ /****************************************************************************/
+ REMARKS:
+ Handles opcode 0x0f,0xC8-0xCF
+ //////////////////////////////////////////////////////////////////////////
+ +s32 x86emu_bswap(s32 reg)
+ +{
+ + // perform the byte swap
+ + s32 temp = reg;
+ + reg = (temp & 0xFF000000) >> 24;
+ + reg |= (temp & 0xFF0000) >> 8;
+ + reg |= (temp & 0xFF00) << 8;
+ + reg |= (temp & 0xFF) << 24;
+ + return reg;
+ +}
+ 
+ +void x86emuOp2_bswap(u8 op2)
+ +{
+ + /* byte swap 32 bit register */
+ + START_OF_INSTR();
+ + DECODE_PRINTF("BSWAP\t");

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switch (op2) {
  case 0xc8:
    DECODE_PRINTF("EAX\n");
    M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
    break;
  case 0xc9:
    DECODE_PRINTF("ECX\n");
    M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
    break;
  case 0xca:
    DECODE_PRINTF("EDX\n");
    M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
    break;
  case 0xcb:
    DECODE_PRINTF("EBX\n");
    M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
    break;
  case 0xcc:
    DECODE_PRINTF("ESP\n");
    M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
    break;
  case 0xcd:
    DECODE_PRINTF("EBP\n");
    M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
    break;
  case 0xce:
    DECODE_PRINTF("ESI\n");
    M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
    break;
  case 0xcf:
    DECODE_PRINTF("EDI\n");
    M.x86.R_EDI = x86emu_bswap(M.x86.R_EDI);
    break;
}
TRACE_AND_STEP();
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
-/*  0xce */ x86emuOp2_illegal_op, /* TODO: bswap */
-/*  0xcf */ x86emuOp2_illegal_op, /* TODO: bswap */
+/*  0xc8 */ x86emuOp2_bswap,
+/*  0xc9 */ x86emuOp2_bswap,
+/*  0xca */ x86emuOp2_bswap,
+/*  0xcb */ x86emuOp2_bswap,
+/*  0xcc */ x86emuOp2_bswap,
+/*  0xcd */ x86emuOp2_bswap,
+/*  0xce */ x86emuOp2_bswap,
+/*  0xcf */ x86emuOp2_bswap,
+/*  0xd0 */ x86emuOp2_illegal_op,
+/*  0xd1 */ x86emuOp2_illegal_op,

Index: ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v
retrieving revision 1.1
diff -u -u -r1.1 ops.c
--- ops.c	7 Sep 2007 10:01:21 -0000	1.1
+++ ops.c	20 Mar 2008 16:52:00 -0000
@@ -1061,7 +1061,11 @@
    push_word(imm);
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+        push_long(imm);
+    } else {
+        push_word(imm);
+    }
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}@@ -1256,8 +1260,10 @@
    if (cond) {
M.x86.R_IP = target;
+JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}@@ -2516,9 +2522,11 @@
count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {

/* dont care whether REPE or REPNE */
- /* move them until CX is ZERO. */
- count = M.x86.R_CX;
+ /* move them until (E)CX is ZERO. */
+ count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
M.x86.R_CX = 0;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX = 0;
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
@@ -2526,6 +2534,8 @@
    store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -2559,9 +2569,11 @@
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* move them until CX is ZERO. */
-        count = M.x86.R_CX;
+        /* move them until (E)CX is ZERO. */
+        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
M.x86.R_CX = 0;
+if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX = 0;
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
@@ -2574,6 +2586,8 @@
    }
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -2598,16 +2612,21 @@
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* REPE */
-        /* move them until CX is ZERO. */
-        count = M.x86.R_CX;
+        /* move them until (E)CX is ZERO. */
+        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
M.x86.R_CX = 0;
+if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX = 0;
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
    store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -2598,16 +2612,21 @@
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* REPE */
-        /* move them until CX is ZERO. */
-        count = M.x86.R_CX;
+        /* move them until (E)CX is ZERO. */
+        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
M.x86.R_CX = 0;
+if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX = 0;
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (M.x86.R_CX != 0) {
    /* move them until (E)CX is ZERO. */
    while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        val1 = fetch_data_byte(M.x86.R_SI);
        val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_byte(val1, val2);
        if (M.x86.mode & SYSMODE_32BIT_REP)
            M.x86.R_ECX -= 1;
        else
            M.x86.R_CX -= 1;
        M.x86.R_SI += inc;
        M.x86.R_DI += inc;
        if ((M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0)) break;
        if ((M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF)) break;
        if (M.x86.intr & INTR_HALTED)
            break;
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
        /* REPE */
        while (M.x86.R_CX != 0) {
            /* move them until CX is ZERO. */
            while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
                if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                    val1 = fetch_data_long(M.x86.R_SI);
                    val2 = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                    cmp_word((u16)val1, (u16)val2);
                } else {
                    M.x86.R_CX -= 1;
                    if (M.x86.mode & SYSMODE_32BIT_REP)
                        M.x86.R_ECX -= 1;
                    else
                        M.x86.R_CX -= 1;
                    M.x86.R_SI += inc;
                    M.x86.R_DI += inc;
                    if ((M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0)) break;
                    if ((M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF)) break;
                    if (M.x86.intr & INTR_HALTED)
                        break;
                }
            }
        }
    }
}

TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* REP */
    while (M.x86.R_CX != 0) {
        /* move them until (E)CX is ZERO. */
        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                val1 = fetch_data_long(M.x86.R_SI);
                val2 = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_word((u16)val1, (u16)val2);
            } else {
                M.x86.R_CX -= 1;
                if (M.x86.mode & SYSMODE_32BIT_REP)
                    M.x86.R_ECX -= 1;
                else
                    M.x86.R_CX -= 1;
                M.x86.R_SI += inc;
                M.x86.R_DI += inc;
                if ((M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0)) break;
                if ((M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF)) break;
                if (M.x86.intr & INTR_HALTED)
                    break;
            }
        }
    }
}

M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
TRACE_AND_STEP();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    - /* move them until CX is ZERO. */
    - while (M.x86.R_CX != 0) {
      + /* move them until (E)CX is ZERO. */
      + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
          store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
          - M.x86.R_CX -= 1;
          + if (M.x86.mode & SYSMODE_32BIT_REP)
             M.x86.R_ECX -= 1;
          else
             M.x86.R_CX -= 1;
          M.x86.R_DI += inc;
          + if (M.x86.intr & INTR_HALTED)
             break;
      }
      M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
      count = 1;
      if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
          /* dont care whether REPE or REPNE */
          - /* move them until CX is ZERO. */
          - count = M.x86.R_CX;
          + /* move them until (E)CX is ZERO. */
          + count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
          M.x86.R_CX = 0;
      if (M.x86.mode & SYSMODE_32BIT_REP)
          M.x86.R_ECX = 0;
      M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } while (count--)
    store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
  }
M.x86.R_DI += inc;
+ if (M.x86.intr & INTR_HALTED)
+ break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();

- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
  M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
  M.x86.R_CX -= 1;
  if (M.x86.mode & SYSMODE_32BIT_REP)
    M.x86.R_ECX -= 1;
  else
    M.x86.R_CX -= 1;
  M.x86.R_SI += inc;
  if (M.x86.intr & INTR_HALTED)
    break;
}
  M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2859,9 +2897,11 @@
count = 1;
  if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
- /* move them until CX is ZERO. */
- count = M.x86.R_CX;
+ /* move them until (E)CX is ZERO. */
+ count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
  M.x86.R_CX = 0;
  if (M.x86.mode & SYSMODE_32BIT_REP)
    M.x86.R_ECX = 0;
  M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} while (count--) {
@@ -2871,6 +2911,8 @@
    M.x86.R_AX = fetch_data_word(M.x86.R_SI);
  }
    M.x86.R_SI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
  }
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
@@ -2894,26 +2936,36 @@
    inc = 1;
  if (M.x86.mode & SYSMODE_PREFIX_REPE) {
    /* REPE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
      val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
cmp_byte(M.x86.R_AL, val2);
- M.x86.R_CX -= 1;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+    M.x86.R_ECX -= 1;
+ else
+    M.x86.R_CX -= 1;
M.x86.R_DI += inc;
if (ACCESS_FLAG(F_ZF) == 0)
    break;
+ if (M.x86.intr & INTR_HALTED)
+    break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
cmp_byte(M.x86.R_AL, val2);
- M.x86.R_CX -= 1;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+    M.x86.R_ECX -= 1;
+ else
+    M.x86.R_CX -= 1;
M.x86.R_DI += inc;
if (ACCESS_FLAG(F_ZF))
    break;    /* zero flag set means equal */
+ if (M.x86.intr & INTR_HALTED)
+    break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -2951,8 +3003,8 @@
    TRACE_AND_STEP();
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /* REPE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
if (M.x86.mode & SYSMODE_PREFIX_DATA) {
    val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
cmp_long(M.x86.R_EAX, val);
@@ -2960,16 +3012,21 @@
    val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
cmp_word(M.x86.R_AX, (u16)val);
- M.x86.R_CX -= 1;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+     M.x86.R_ECX -= 1;
+ else
+     M.x86.R_CX -= 1;
M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF) == 0)
        break;
+    if (M.x86.intr & INTR_HALTED)
+        break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
/* REPNE */
- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
        val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_long(M.x86.R_EAX, val);
@@ -2977,10 +3034,15 @@
        val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_word(M.x86.R_AX, (u16)val);
    }
- M.x86.R_CX -= 1;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+     M.x86.R_ECX -= 1;
+ else
+     M.x86.R_CX -= 1;
M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF))
        break; /* zero flag set means equal */
+    if (M.x86.intr & INTR_HALTED)
+        break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -3238,9 +3300,9 @@
    DECODE_PRINTF("RET\t");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
-RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    M.x86.R_SP += imm;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -3254,9 +3316,9 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RET\n");
-RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -3471,10 +3533,10 @@
    DECODE_PRINTF("RETF\n");
    imm = fetch_word_imm();
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -3488,10 +3550,10 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RETF\n");
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -4020,8 +4082,11 @@
ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x
", ip);
    TRACE_AND_STEP();
-    M.x86.R_CX -= 1;
-    if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF)) /* CX != 0 and !ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+    else
+        M.x86.R_CX -= 1;
+    if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
!ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and !ZF */
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4041,8 +4106,11 @@
ip += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF)) /* CX != 0 and ZF */
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and ZF */
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4062,8 +4130,11 @@
ip += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0)
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0) /* (E)CX != 0 */
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4085,8 +4156,10 @@
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
TRACE_AND_STEP();
- if (M.x86.R_CX == 0)
+ if (M.x86.R_CX == 0) {
M.x86.R_IP = target;
+M_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+ }
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -4213,6 +4286,7 @@
ip = (s16)fetch_word_imm();
ip += (s16)M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, ip, " NEAR ");
TRACE_AND_STEP();
M.x86.R_IP = (u16)ip;
DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
cs = fetch_word_imm();
DECODE_PRINTF2("%04x:", cs);
DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = ip;
M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
offset = (s8)fetch_byte_imm();
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
TRACE_AND_STEP();
M.x86.R_IP = target;
DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
DECODE_PRINTF("REPNE\n");
TRACE_AND_STEP();
M.x86.mode |= SYSMODE_PREFIX_REPNE;
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -4371,6 +4449,8 @@
DECODE_PRINTF("REPE\n");
TRACE_AND_STEP();
M.x86.mode |= SYSMODE_PREFIX_REPE;
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
destval = fetch_data_word(destoffset);
destval2 = fetch_data_word(destoffset + 2);

+      JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
M.x86.R_CS = destval2;

Index: prim_ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim_ops.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- prim_ops.c	7 Sep 2007 10:01:21 -0000	1.1
+++ prim_ops.c16 Jan 2008 14:18:15 -0000.1.3
@@ -1921,7 +1921,7 @@
 void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)
 |
 #ifdef __HAS_LONG_LONG__
- s64 res = (s64)d * (s64)s;
+ s64 res = (s64)(s32)d * (s64)(s32)s;

 *res_lo = (u32)res;
 *res_hi = (u32)(res >> 32);
@@ -2013,7 +2013,7 @@
 void mul_long(u32 s)
 |
 #ifdef __HAS_LONG_LONG__
- u64 res = (u32)M.x86.R_EAX * (u32)s;
+ u64 res = (u64)M.x86.R_EAX * s;

 M.x86.R_EAX = (u32)res;
 M.x86.R_EDX = (u32)(res >> 32);
@@ -2312,16 +2312,15 @@
} if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
 / * dont care whether REPE or REPNE */
- / * in until CX is ZERO. */
- u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+ / * in until (E)CX is ZERO. */
+ u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
     M.x86.R ECX : M.x86.R CX);
-
     while (count--) {
         single_in(size);
         M.x86.R DI += inc;
     }
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {


+ if (M.x86.mode & SYSMODE_32BIT_REP) {
    M.x86.R ECX = 0;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
@@ -2355,15 +2354,15 @@
} if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-    /* out until CX is ZERO. */
-    u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+    /* out until (E)CX is ZERO. */
+    u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
        M.x86.R ECX : M.x86.R CX);
    while (count--) {
        single_out(size);
        M.x86.R SI += inc;
    }
    M.x86.R CX = 0;
-    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+    if (M.x86.mode & SYSMODE_32BIT_REP) {
        M.x86.R ECX = 0;
    }
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);

Index: sys.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/sys.c,v
retrieving revision 1.1
retrieving revision 1.2
diff -u -u -r1.1 -r1.2
--- sys.c 7 Sep 2007 10:01:21 -0000 1.1
+++ sys.c 7 Sep 2007 10:03:13 -0000 1.2
@@ -45,11 +45,6 @@
#include <x86emu/regs.h>
#include "debug.h"
#include "prim_ops.h"
-#ifdef LINUXBIOS_VERSION
-#include "io.h"
-#else
-#include <sys/io.h>
-#endif

+#ifdef IN_MODULE
#include "xf86_ansic.h"
@@ -220,7 +215,7 @@
{ DB(if (DEBUG_IO_TRACE())
    printk("inb %#04x \n", addr);
    -return inb(addr);

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return 0;
}

/***************************************************************************/
@@ -235,7 +230,7 @@
{
  DB(if (DEBUG_IO_TRACE())
  printk("inw %#04x \n", addr);
  -return inw(addr);
  +return 0;
}

/***************************************************************************/
@@ -250,7 +245,7 @@
{
  DB(if (DEBUG_IO_TRACE())
  printk("inl %#04x \n", addr);
  -return inl(addr);
  +return 0;
}

/***************************************************************************/
@@ -264,7 +259,6 @@
{
  DB(if (DEBUG_IO_TRACE())
  printk("outb %#02x -> %#04x \n", val, addr);
  -outb(val, addr);
  return;
}

@@ -279,7 +273,6 @@
{
  DB(if (DEBUG_IO_TRACE())
  printk("outw %#04x -> %#04x \n", val, addr);
  -outw(val, addr);
  return;
}

@@ -295,7 +288,6 @@
  DB(if (DEBUG_IO_TRACE())
     printk("outl %#08x -> %#04x \n", val, addr);
   -outl(val, addr);
  return;
}

@@ -405,6 +397,6 @@
void X86EMU_setMemBase(void *base, size_t size)
{
    M.mem_base = (int) base;
    +M.mem_base = (unsigned long) base;
    M.mem_size = size;
}

Index: include/x86emu/debug.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/debug.h 7 Sep 2007 10:01:21 -0000
+++ include/x86emu/debug.h 20 Mar 2008 15:25:27 -0000
@@ -40,8 +40,6 @@
  #define DEBUG_SYSINT()        (M.x86.debug & DEBUG_SYSINT_F)
  # define DEBUG_TRACECALL()   (M.x86.debug & DEBUG_TRACECALL_F)
  # define DEBUG_TRACECALLREGS() (M.x86.debug & DEBUG_TRACECALLREGS_F)
  +# define DEBUG_TRACEJMP()       (M.x86.debug & DEBUG_TRACEJMP_F)
  +# define DEBUG_TRACEJMPREGS()   (M.x86.debug & DEBUG_TRACEJMPREGS_F)
  # define DEBUG_SYS()           (M.x86.debug & DEBUG_SYS_F)
  # define DEBUG_MEM_TRACE()     (M.x86.debug & DEBUG_MEM_TRACE_F)
  # define DEBUG_IO_TRACE()      (M.x86.debug & DEBUG_IO_TRACE_F)
@@ -96,6 +96,8 @@
  # define DEBUG_SYSINT()        0
  # define DEBUG_TRACECALL()     0
  # define DEBUG_TRACECALLREGS() 0
  +# define DEBUG_TRACEJMP()       0
  +# define DEBUG_TRACEJMPREGS()   0
  # define DEBUG_SYS()           0
  # define DEBUG_MEM_TRACE()     0
  # define DEBUG_IO_TRACE()      0
@@ -169,14 +171,20 @@
x86emu_dump_regs();                                     
  if (DEBUG_TRACECALL())                                     
  printk("%04x:%04x: CALL %s%04x:%04x\n", u , v, s, w, x);
-# define RETURN_TRACE(n,u,v)                               
+## define RETURN_TRACE(u,v,w,x,s)                           
if (DEBUG_TRACECALLREGS())\n
x86emu_dump_regs();

if (DEBUG_TRACECALL())
  printk("%04x:%04x: %s
", u, v, n);
+printk("%04x:%04x: RET %s %04x:%04x
", u, v, s, w, x);
+# define JMP_TRACE(u,v,w,x,s)

if (DEBUG_TRACEJMPREGS())
  x86emu_dump_regs();
+if (DEBUG_TRACEJMP())
  printk("%04x:%04x: JMP %s%04x:%04x
", u, v, s, w, x);
#endif

#ifdef DEBUG

Index: include/x86emu/regs.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h	7 Sep 2007 10:01:21 -0000	1.1
+++ include/x86emu/regs.h	15 Jan 2008 13:46:40 -0000	1.4
@@ -231,6 +231,9 @@
  #define SYSMODE_PREFIX_REPNE    0x00000100
  #define SYSMODE_PREFIX_DATA     0x00000200
  #define SYSMODE_PREFIX_ADDR     0x00000400
+//phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+//the 32bit ECX register as or the 16bit CX register as count register
+  #define SYSMODE_32BIT_REP       0x00000800
  #define SYSMODE_INTR_PENDING    0x10000000
  #define SYSMODE_EXTRN_INTR      0x20000000
  #define SYSMODE_HALTED          0x40000000
@@ -250,7 +253,8 @@
   SYSMODE_SEGOVR_GS | \
   SYSMODE_SEGOVR_SS | 
   SYSMODE_PREFIX_DATA | 
-  SYSMODEPREFIX_ADDR)
+  SYSMODEPREFIX_ADDR    | 
+  SYSMODE_32BIT_REP)
  #define INTR_SYNCH        0x1
  #define INTR_ASYNCH       0x2
@@ -274,9 +278,9 @@
*/

u32 mode;
volatile int intr; /* mask of pending interrupts */
-int debug;
+
volatile int debug;
#endif DEBUG
-int check;
+int check;
+volatile int debug;

u16 saved_ip;
u16 saved_cs;
int enc_pos;

#include <console.h>
#define printk(...) printk(BIOS_DEBUG, x)
#else
+#include <stdio.h>
#define printk printf
#endif

#define DEBUG_TRACECALL_REGS_F 0x004000
#define DEBUG_DECODE_NOPRINT_F 0x008000
#define DEBUG_SAVE_IP_CS_F 0x010000
+#define DEBUG_TRACEJMP_F 0x020000
+#define DEBUG_TRACEJMP_REGS_F 0x040000
#define DEBUG_SYS_F (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)

void X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
#else __cplusplus
} /* End of "C" linkage for C++ */
#endif
-
#endif /* __X86EMU_X86EMU_H */

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{ TARGET_FREEBSD_NR___acl_aclcheck_fd, "_acl_aclcheck_fd", "%s(%d, %d, %#x)", NULL, NULL },
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{ TARGET_FREEBSD_NR_dup2, "dup2", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_eaccess, "eaccess", "%s(%s", %d), NULL, NULL },
{ TARGET_FREEBSD_NR_execute, "execute", NULL, print_execute, NULL },
{ TARGET_FREEBSD_NR_exit, "exit", "%s(%d)
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{ TARGET_FREEBSD_NR_getdirentries, "getdirentries", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_msgsnd, "msgsnd", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_munmap, "munmap", "%s(%p,%d)", NULL, NULL },
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{ TARGET_FREEBSD_NR_pathconf, "pathconf", "$s("%s", %d)" },
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{ TARGET_FREEBSD_NR_rename, "rename", "%s("%s",%"%s")" },
{ TARGET_FREEBSD_NR_revoke, "revoke", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_sbrk, "sbrk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sched_yield, "sched_yield", NULL, NULL, NULL },
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Key Dates
* August 3, 2017

Update the TianoCore Contribution Agreement from Version 1.0 to Version 1.1 to cover open source documentation associated with the TianoCore project.

Version 1.0 covers source code files. Version 1.1 is a backwards compatible extension that adds support for document files in both source form and compiled form.

References:
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Proposals (RFCs):
https://lists.01.org/pipermail/edk2-devel/2017-March/008654.html

TianoCore Bugzilla:
https://bugzilla.tianocore.org/show_bug.cgi?id=629

* April 9, 2019

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To make a contribution to a TianoCore project, follow these steps.
1. Create a change description in the format specified below to
   use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature,
   and "Contributed-under" message.
3. Your "Contributed-under" message explicitly states that the
   contribution is made under the terms of the specified
   contribution agreement. Your "Contributed-under" message
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   For example: Contributed-under: TianoCore Contribution Agreement 1.1
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= Change Description / Commit Message / Patch Email =

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

== Sample Change Description / Commit Message =

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>
Subject: [Repository/Branch PATCH] Module: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.1
Signed-off-by: Contributor Name <contributor@example.com>

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

=== End of sample patch email message ===

=== Notes for sample patch email ===

* The first line of commit message is taken from the email's subject line following [Repository/Branch PATCH]. The remaining portion of the commit message is the email's content until the '---' line.
* git format-patch is one way to create this format
=== Definitions for sample patch email ===

* "Repository" is the identifier of the repository the patch applies. This identifier should only be provided for repositories other than 'edk2'. For example 'edk2-BuildSpecification' or 'staging'.
* "Branch" is the identifier of the branch the patch applies. This identifier should only be provided for branches other than 'edk2/master'. For example 'edk2/UDK2015', 'edk2-BuildSpecification/release/1.27', or 'staging/edk2-test'.
* "Module" is a short identifier for the affected code or documentation. For example 'MdePkg', 'MdeModulePkg/UsbBusDxe', 'Introduction', or 'EDK II INF File Format'.
* "Brief-single-line-summary" is a short summary of the change. The entire first line should be less than ~70 characters.
* "Full-commit-message" a verbose multiple line comment describing the change. Each line should be less than ~70 characters.
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1. Create a change description in the format specified below to use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature, and "Contributed-under" message.
3. Your "Contributed-under" message explicitly states that the contribution is made under the terms of the specified contribution agreement. Your "Contributed-under" message must include the name of contribution agreement and version. For example: Contributed-under: TianoCore Contribution Agreement 1.0
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 ===================================================
= Change Description / Commit Message / Patch Email =
 ===================================================

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

== Sample Change Description / Commit Message ==

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>
Subject: [PATCH] CodeModule: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.0
Signed-off-by: Contributor Name <contributor@example.com>
--

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

=== End of sample patch email message ===

=== Notes for sample patch email ===

* The first line of commit message is taken from the email's subject line following [PATCH]. The remaining portion of the commit message is the email's content until the '--' line.
* git format-patch is one way to create this format

=== Definitions for sample patch email ===

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John R. Hauser
2018 January 20

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Full-commit-message

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---

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Contributions.txt: TianoCore Contribution Agreement 1.0

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= Code Contributions =
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To make a contribution to a TianoCore project, follow these steps.
1. Create a change description in the format specified below to use in the source control commit log.
2. Your commit message must include your "Signed-off-by" signature, and "Contributed-under" message.
3. Your "Contributed-under" message explicitly states that the contribution is made under the terms of the specified contribution agreement. Your "Contributed-under" message must include the name of contribution agreement and version. For example: Contributed-under: TianoCore Contribution Agreement 1.0
   The "TianoCore Contribution Agreement" is included below in this document.
4. Submit your code to the TianoCore project using the process that the project documents on its web page. If the process is not documented, then submit the code on development email list for the project.
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Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

== Sample Change Description / Commit Message =

*** Start of sample patch email message ===

From: Contributor Name <contributor@example.com>
Subject: [PATCH] CodeModule: Brief-single-line-summary

Full-commit-message

Contributed-under: TianoCore Contribution Agreement 1.0
Signed-off-by: Contributor Name <contributor@example.com>

---

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

*** End of sample patch email message ===

*** Notes for sample patch email ===

* The first line of commit message is taken from the email's subject line following [PATCH]. The remaining portion of the commit message is the email's content until the ‘---’ line.
* git format-patch is one way to create this format

*** Definitions for sample patch email ===

* "CodeModule" is a short identifier for the affected code. For
example MdePkg, or MdeModulePkg UsbBusDxe.
* "Brief-single-line-summary" is a short summary of the change.
* The entire first line should be less than ~70 characters.
* "Full-commit-message" a verbose multiple line comment describing
  the change. Each line should be less than ~70 characters.
* "Contributed-under" explicitely states that the contribution is
  made under the terms of the contribution agreement. This
  agreement is included below in this document.
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  by their real/legal name and their email address.

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John R. Hauser
2018 January 20

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**1.638 go-colorable 0.1.0**

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1.642 apr 1.6.3

1.643 jaxb-api 2.2.2-promoted-b99

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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules

%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<

%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<

%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $<
| sed "\"s/(\w*).o[ :]*/\1.o $@ : /g" > $@; \
| -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $<
| sed "\"s/(\w*).o[ :]*/\1.o $@ : /g" > $@; \
| -s $@ ] || rm -f $@'

## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@

%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymblic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
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1.650 slf4j-log4j 1.7.25
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-jar/org/slf4j/impl/Log4jMDCAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-jar/org/slf4j/impl/Log4jLoggerAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-jar/org/slf4j/impl/StaticMDCBinder.java
* /opt/ws_local/PERMITS_SQL/1032656170_1594238129.34/0/slf4j-log4j12-1-7-25-sources-1-jar/org/slf4j/impl/StaticLoggerBinder.java
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1.652 binutils 2.33.1-r0

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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.

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++++++++++++++++

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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1.655 plugin-properties 2.0.3

1.656 elasticsearch-x-content 6.8.12

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Go support for Protocol Buffers - Google's data interchange format

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.SH NAME

etcdctl\(-role\)-grant\(-permission\) \- Grants a key to a role

.SH SYNOPTICS

.etcdctl=3 etcdctl role grant\(-permission\) [OPTIONS]

.SH DESCRIPTION

Grants a key to a role

.SH OPTIONS

.etcdctl\(-from\)-key\=false

grant a permission of keys that are greater than or equal to the given key using byte compare

.etcdctl\(-prefix\)=false

grant a prefix permission

.SH OPTIONS INHERITED FROM PARENT COMMANDS

.etcdctl\(-cacert\)="

verify certificates of TLS\-enabled secure servers using this CA bundle

.etcdctl\(-cert\)="

identify secure client using this TLS certificate file
\fB\-\-command\-timeout\fP=5s
  timeout for short running command (excluding dial timeout)

\fB\-\-debug\fP[=false]
  enable client\-side debug logging

\fB\-\-dial\-timeout\fP=2s
  dial timeout for client connections

\fB\-\-d\fP, \fB\-\-discovery\-srv\fP=""
  domain name to query for SRV records describing cluster endpoints

\fB\-\-endpoints\fP=[127.0.0.1:2379]
  gRPC endpoints

\fB\-\-hex\fP[=false]
  print byte strings as hex encoded strings

\fB\-\-insecure\-discovery\fP[=true]
  accept insecure SRV records describing cluster endpoints

\fB\-\-insecure\-skip\-tls\-verify\fP[=false]
  skip server certificate verification

\fB\-\-insecure\-transport\fP[=true]
  disable transport security for client connections

\fB\-\-keepalive\-time\fP=2s
  keepalive time for client connections

\fB\-\-keepalive\-timeout\fP=6s
  keepalive timeout for client connections

\fB\-\-key\fP=""
  identify secure client using this TLS key file
username[:password] for authentication (prompt if password is not supplied)

set the output format (fields, json, protobuf, simple, table)

SEE ALSO

etcdctl3-role(1)

HISTORY

14-Jan-2019 Auto generated by spf13/cobra
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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uetcdctl3" "1" "Jan 2019" "Auto generated by spf13/cobra" ""

.SH NAME

PP

etcctl\-role\-revoke\-permission \- Revoke a key from a role
SYNOPSIS

ETCDCTL=3 etcdctl role revoke-permission [OPTIONS]

DESCRIPTION

Revokes a key from a role

OPTIONS

---from-key=false
  revoke a permission of keys that are greater than or equal to the given key using byte compare

---prefix=false
  revoke a prefix permission

OPTIONS INHERITED FROM PARENT COMMANDS

---cacert=""
  verify certificates of TLS-enabled secure servers using this CA bundle

---cert=""
  identify secure client using this TLS certificate file

---command-timeout=5s
  timeout for short running command (excluding dial timeout)

---debug=false
  enable client-side debug logging

---dial-timeout=2s
  dial timeout for client connections

---discovery-srv=""
  domain name to query for SRV records describing cluster endpoints

---endpoints=[127.0.0.1:2379]
gRPC endpoints

.PP
\B\-hex\[=false\]
  print byte strings as hex encoded strings

.PP
\B\-insecure\-discovery\[=true\]
  accept insecure SRV records describing cluster endpoints

.PP
\B\-insecure\-skip\-tls\-verify\[=false\]
  skip server certificate verification

.PP
\B\-insecure\-transport\[=true\]
  disable transport security for client connections

.PP
\B\-keepalive\-time\[=2s\]
  keepalive time for client connections

.PP
\B\-keepalive\-timeout\[=6s\]
  keepalive timeout for client connections

.PP
\B\-key\[=""\]
  identify secure client using this TLS key file

.PP
\B\-user\[=""\]
  username[:password] for authentication (prompt if password is not supplied)

.PP
\B\-w\[=\F\-write\-out\[="simple"\]
  set the output format (fields, json, protobuf, simple, table)

.SH SEE ALSO
.PP
\Fetcdctl3\-role(1)

.SH HISTORY
.PP
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<signature of Ty Coon>, 1 April 1989
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1.672 gstreamer 1.14.4 1

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gst/gst.h
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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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*******************
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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see https://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
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Mersenne Twister
----------------

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A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and
:func:`getnameinfo`, which are coded in separate source files from the WIDE

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-----------------------------------------------
MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
-----------------------------

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- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with Python standard

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--------------------------

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---------------

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to use the modified definitions.)

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
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```
include/class/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/class/iprop.x
lib/kdb/class/kdb_convert.c
lib/kdb/class/kdb_log.c
lib/kdb/class/kdb_log.h
lib/krb5/class/error_tables/class/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kprop.c
kprop/kproplog.c
```

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   lib/gssapi/mechglue/g_accept_sec_context.c
   lib/gssapi/mechglue/g_acquire_cred.c
   lib/gssapi/mechglue/g_canon_name.c
   lib/gssapi/mechglue/g_compare_name.c
   lib/gssapi/mechglue/g_context_time.c
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   lib/gssapi/mechglue/g_exp_sec_context.c
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   lib/gssapi/mechglue/g_glue.c
   lib/gssapi/mechglue/g_imp_name.c
   lib/gssapi/mechglue/g_imp_sec_context.c
   lib/gssapi/mechglue/g_init_sec_context.c
   lib/gssapi/mechglue/g_initialize.c
   lib/gssapi/mechglue/g_inquire_context.c
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.. parsed-literal::

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    kadmin/server/ipropd_svc.c
    lib/kdb/iprop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
    lib/krb5/error_tables/kdb5_err.et
    kprop/kpropd_rpc.c
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<link rel="stylesheet" href="_static/pygments.css" type="text/css" />
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<script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
    URL_ROOT:    './',
    VERSION:     '1.17',
    COLLAPSE_INDEX: false,
    FILE_SUFFIX: '.html',
    HAS_SOURCE:  true,
    SOURCELINK_SUFFIX: '.txt'
};
</script>
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```
lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego Mech.c
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import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*- ' and we don't want to change them.
    if line != '/' and line != '-':
        text_seen = True
    return is_license
def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1

    # Check filename comment if present.
    m = re.match(r'/\* ([^ \*]*)( - .*)? */', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1

    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'/\*.*?\*/', '', line)
            line = line.strip()
        if not in_comment and '/*' in line:
            line, sep, comment_part = line.partition('/*')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
        elif in_comment and '*/' not in line:
            comment.append(line.lstrip('*').lstrip())
        elif in_comment:
            (comment_part, sep, line) = line.partition('*/')
            comment.append(comment_part.strip())

        is_license = check_comment(comment, fname, comment_starts_at, code_seen, nonlicense_seen)
        nonlicense_seen = nonlicense_seen or not is_license
        in_comment = False
        elif line.strip() != '':
            code_seen = True
        ln += 1

    for fname in sys.argv[1:]:
        if fname.startswith('./ '):
            fname = fname[2:]
        f = open(fname)
        lines = f.readlines()
        f.close()
1.721 libuv 1.34.2

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   version 1.2.11, January 15th, 2017

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set_xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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1.733 metrics 3.1.5

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@c ispell-local-pdict: "ispell-dict"
@c End:

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1.741 errors 3.0.3-0ubuntu1~18.04.1

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1.742 opensaml-security-impl 3.3.0

1.743 git 2.24.3-r0

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1.758 paranamer 2.8

1.759 spring-boot-actuator-autoconfigure

2.1.4

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_inquire_context.c
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
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```
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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mbhec/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
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lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_cred.c
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1.768 libxcb 1.12 1

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1.769 x-oauth2 0.0.0-20200107190931

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1.770 jackson-databind 2.9.9.2

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1.771 opensaml-saml-impl 3.3.0

1.772 apache-log4j 2.11.1

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1.773 scala 2.12.6

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
   Either create a single parameter accepting the Tuple2,
   or consider a pattern matching anonymous function: `\{ case (a, b) => ... }`
val x: ((Int, Int) => Int) = (((a, b)) => a)
^

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
   Either create a single parameter accepting the Tuple2,
   or consider a pattern matching anonymous function: `\{ case (param1, param2) => ... }`
val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
^

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.
   Either create a single parameter accepting the Tuple3,
   or consider a pattern matching anonymous function: `\{ case (param1, ..., param3) => ... }`
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
^ three errors found

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 */
/**
 A decoder that splits the received [link ByteBuf]s dynamically by the
 value of the length field in the message. It is particularly useful when you
 decode a binary message which has an integer header field that represents the
 length of the message body or the whole message.
 <p>
 [link LengthFieldBasedFrameDecoder] has many configuration parameters so
 that it can decode any message with a length field, which is often seen in
 proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.

* <h3>2 bytes length field at offset 0, do not strip header</h3>

* The value of the length field in this example is \(12\ (0x0C)\) which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.

* <pre>
  lengthFieldOffset   = 0
  lengthFieldLength   = 2
  lengthAdjustment    = 0
  initialBytesToStrip = 0 (= do not strip header)
  <h3>BEFORE DECODE (14 bytes)     AFTER DECODE (14 bytes)</h3>
  +--------+----------------+      +--------+----------------+
  | Length | Actual Content |----->| Length | Actual Content |
  | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
  +--------+----------------+      +--------+----------------+
  </pre>

* Because we can get the length of the content by calling
* \{@link ByteBuf#readableBytes\}, you might want to strip the length
* field by specifying \(\texttt{initialBytesToStrip}\). In this example, we
* specified \(\texttt{2}\) \(\texttt{initialBytesToStrip}\), that is same with the length of the length field, to
* strip the first two bytes.

* <pre>
  lengthFieldOffset = 0
  lengthFieldLength = 2
  lengthAdjustment = 0
  initialBytesToStrip = 2 (= the length of the Length field)
  <h3>BEFORE DECODE (14 bytes)     AFTER DECODE (12 bytes)</h3>
  +--------+----------------+      +----------------+
  | Length | Actual Content |----->| Actual Content |
  | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
  +--------+----------------+      +----------------+
  </pre>

* <h3>2 bytes length field at offset 0, strip header</h3>

* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.

* <pre>
* lengthFieldOffset   =  0
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip =  0
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.

* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* |  0xCAFE  | 0x00000C | "HELLO, WORLD" |      |  0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.

* <pre>
* lengthFieldOffset   =  0
* lengthFieldLength   =  3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip =  0
*
* BEFORE DECODE (17 bytes)  AFTER DECODE (17 bytes)
* "HELLO, WORLD"
* BEFORE DECODE (16 bytes)  AFTER DECODE (13 bytes)
* "HELLO, WORLD"
* BEFORE DECODE (16 bytes)  AFTER DECODE (13 bytes)
* BEFORE DECODE (16 bytes)  AFTER DECODE (13 bytes)
* HDR1 | Length | HDR2 | Actual Content | HDR2 | Actual Content |
* 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" | 0xFE | "HELLO, WORLD" |

@see LengthFieldPrepender

*/

Found in path(s):
*/opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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 */

/**
 * Enumeration of supported Base64 dialects.
 *
 * The internal lookup tables in this class has been derived from
 * <a href="http://iharder.sourceforge.net/current/java/base64/"">Robert Harder's Public Domain</a>
 * Base64 Encoder/Decoder</a>.
 */

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  jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/string/LineEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/DateFormatter.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/CodecOutputList.java

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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-jar/io/netty/handler/codec/EmptyHeaders.java

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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-jar/io/netty/handler/codec/ValueConverter.java
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-jar/io/netty/handler/codec/UnsupportedValueConverter.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionState.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-jar/io/netty/handler/codec/ProtocolDetectionResult.java

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  jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/Snappy.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/MarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/MessageToMessageDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/DecoderException.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/UnsupportedMessageTypeException.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/CorruptedFrameException.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/MarshallerProvider.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/MarshallingDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/JZlibDecoder.java
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  jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/MessageToMessageDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/DecoderException.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/UnsupportedMessageTypeException.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/CorruptedFrameException.java
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  jar/io/netty/handler/codec/compression/LengthFieldPrepender.java
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  jar/io/netty/handler/codec/compression/JZlibDecoder.java
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  jar/io/netty/handler/codec/compression/ZlibWrapper.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/ZlibEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/Snappy.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
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  jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/CompactObjectOutputStream.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
  jar/io/netty/handler/codec/compression/JdkZlibEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1-
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/**
 * Utility class for {@link ByteBuf} that encodes and decodes to and from
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* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.

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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
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  jar/io.netty.handler.codec.compression/Lz4FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io.netty.handler.codec.compression/Bzip2Encoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io.netty.handler.codec.compression/Bzip2HuffmanAllocator.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io.netty.handler.codec.compression/FastLz.java
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* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/json/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/compression/Bzip2BlockCompressor.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/compression/Deflater.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/compression/Bzip2BlockDecompressor.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/compression/LzfEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/compression/Lz4Constants.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/compression/Bzip2Rand.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/compression/Bzip2Decoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/compression/Bzip2MoveToFrontTable.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/compression/AsciiHeadersEncoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/MessageAggregationException.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4.1.48-final-sources-1.jar/io/netty/handler/codecs/DecoderResultProvider.java

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  jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/compression/JdkZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1068412341_1594399210.18/0/netty-codec-4-1-48-final-sources-1-
  jar/io/netty/handler/codec/compression/Crc32c.java

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  jar/io/netty/handler/codec/compression/Lz4XXHash32.java

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1.792 high-scale-lib 1.0.6

1.793 pb 8.7.0.478

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```go
package pq

import (
    "context"
    "database/sql/driver"
)

// NoticeHandler returns the notice handler on the given connection, if any. A runtime panic occurs if c is not a pq connection. This is rarely used.
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A runtime panic occurs if c is not a pq connection. A nil handler may be used to unset it. This is rarely used directly, use ConnectorNoticeHandler and // ConnectorWithNoticeHandler instead.
// Notice handlers are executed synchronously by pq meaning commands won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}
```
// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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1.794 libjpeg-turbo 1.5.2-2+deb10u1

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The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish
Oracle

The following artifacts are CDDL + GPLv2 with classpath exception. 
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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

* java.sun.security.ssl

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

OW2

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

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Forwarded: no
--- a/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
+++ b/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
@@ -26,6 +26,7 @@
package build.tools.cldrconverter;
import java.util.Calendar;
+import java.util.Date;
import java.util.GregorianCalendar;
import java.util.Locale;
import java.util.TimeZone;
@@ -150,8 +151,14 @@
}
private static int getYear() {
-    return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
-                                   Locale.US).get(Calendar.YEAR);
+    Date date = new Date();
+    if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+        date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+    }
+    return date != null ? date.getTime() : 0;
}
GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
calendar.setTime(date);
return calendar.get(Calendar.YEAR);

// no instantiation
--- a/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
+++ b/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
@@ -33,9 +33,13 @@
import java.time.ZoneId;
import java.time.ZonedDateTime;
import java.util.ArrayList;
+import java.util.Calendar;
+import java.util.Date;
+import java.util.GregorianCalendar;
import java.util.List;
import java.util.Locale;
import java.util.Map;
+import java.util.TimeZone;
import java.util.TreeMap;

/**
@@ -225,8 +229,15 @@
 + "}"
 
 private static String getOpenJDKCopyright() {
- int year = ZonedDateTime.now(ZoneId.of("America/Los_Angeles")).getYear();
- Date date = new Date();
+ if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+ date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+ }
+}
+
+ GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+ calendar.setTime(date);
+
+ int year = calendar.get(Calendar.YEAR);
 return String.format(Locale.US, COPYRIGHT, year);
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1.811 bcpkix-jdk15on 1.61

1.812 eclipse-core-resources 3.7.100

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librdkafka - Apache Kafka C driver library

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parts of src/rdmurmur2.c: git@github.com:abandoned/murmur2.git

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1.824 joda-time 2.4

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1.827 e2fsprogs 1.45.5-2~bpo10+1

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Theodore Ts'o
23-June-2007

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

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

That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.
Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image: $(BSD_LIB)

$(BSD_LIB): $(OBJS)
  (cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
  $(MV) pic/$(BSD_LIB) .
  $(RM) -f ../$(BSD_LIB)
  (cd ..; $(LN) $(LINK_BUILD_FLAGS) \

---
'echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) 
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
/*
/ *
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
- *
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
+ Copyright (C) Jeremy Allison 2000-2006
+ Copyright (C) Paul 'Rusty' Russell 2000

** NOTE! The following LGPL license applies to the tdb
** library. This does NOT imply that all of Samba is released
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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1.831 bash 5.0.11-r1

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c ispell-local-pdict: "ispell-dict"
c End:

1.832 eclipse-equinox-preferences 3.4.1

1.833 hostname 3.21
1.833.1 Available under license:
hostname -- set the host name or show the host/domain name

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1.834 python-defaults 3.7.3-1

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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. Bretnrup <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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--------------------------------------------------------------

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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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src/arc4random_unix.h
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src/getentropy_bsd.c
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1.845 jts 1.15.0
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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

  * javax.servlet:javax.servlet-api
  * javax.annotation:javax.annotation-api
  * javax.transaction:javax.transaction-api
  * javax.websocket:javax.websocket-api

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

* java.sun.security.ssl

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

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OW2

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

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Apache

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

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MortBay

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.853 boost 1.62.0

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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/transform.hpp>
#include <boost/mpl/vector.hpp>

template <typename X>
struct f { using type = X; };

template <int i>
struct t { };

using vector = mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>") } %>

using result = boost::mpl::transform<vector, boost::mpl::quote1<f>>::type;

int main() { }

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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>

template <int i>
struct t { }

using vector = mpl_vector((1..input_size).to_a.map { [n] "t<#{n}>" }) %>

int main() { }

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP

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#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>

template <int i>
struct t { }

using vector = mpl_vector((1..input_size).to_a.map { [n] "t<#{n}>" }) %>

int main() { }

#endif // BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#endif // BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#endif // BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
 # pragma once
#endif

#include <boost/container/detail/config_begin.hpp>
#include <boost/container/detail/workaround.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <boost/intrusive/detail/mpl.hpp>

#include <cstddef>
namespace boost {
 namespace container {
 namespace dtl {

 using boost::move_detail::integral_constant;
 using boost::move_detail::true_type;
 using boost::move_detail::false_type;
 using boost::move_detail::enable_if_c;
 using boost::move_detail::enable_if;
 using boost::move_detail::enable_if_convertible;
 using boost::move_detail::disable_if_c;
 using boost::move_detail::disable_if;
 using boost::move_detail::disable_if_convertible;
 using boost::move_detail::is_convertible;
 using boost::move_detail::if_c;
 using boost::move_detail::if_;
 using boost::move_detail::identity;
 using boost::move_detail::bool_;
 using boost::move_detail::true_;
 using boost::move_detail::false_;
 using boost::move_detail::yes_type;
 using boost::move_detail::no_type;
 using boost::move_detail::bool_;
 using boost::move_detail::true_;
 using boost::move_detail::false_;
 using boost::move_detail::unvoid_ref;
 using boost::move_detail::and_;
 using boost::move_detail::or_;
 using boost::move_detail::not_;
 using boost::move_detail::enable_if_and;
 using boost::move_detail::disable_if_and;
 using boost::move_detail::enable_if_or;
 using boost::move_detail::disable_if_or;

template <class FirstType>
struct select1st
{
    typedef FirstType type;

    template<class T>
    const type& operator()(const T& x) const
    { return x.first; }

    template<class T>
    type& operator()(T& x)
    { return const_cast<type&>(x.first); }
};

template <class T, class=void>
struct is_transparent
{
    static const bool value = false;
};

template <class T>
struct is_transparent<T, typename T::is_transparent>
{
    static const bool value = true;
};

template <typename C, typename K, typename R>
struct enable_if_transparent
    : boost::move_detail::enable_if_c<dtl::is_transparent<C>::value, R>
{};

} //namespace dtl {
} //namespace container {
} //namespace boost {

#include <boost/container/detail/config_end.hpp>

#endif   //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

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Rene Rivera (grafik/redshift-software.com, rrivera/acm.org)
All the value based traits in this library conform to MPL’s requirements for an Integral Constant type.

Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from `integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.


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Adapters for Boost.MPL containers. 

- `boost::mpl::integral_c<T, v>`: Adapter for IntegralConstants from the Boost.MPL. 
  - Adapter for IntegralConstants from the Boost.MPL.
- `boost::mpl::list<T>`: Adapter for Boost.MPL lists.
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 *
 */

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

// split_path is a small helper for outputting a path name,
// complete with a link to that path:

//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f) {}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=""" << (p.root / p.file).string() << "\"" << p.file.string() << ""\"">";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
i = m_license_data.begin();
j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output.");
        std::runtime_error e(msg);
        boost:throw_exception(e);
    }
    os <<
"<!DOCTYPE HTML PUBLIC "/-//W3C//DTD HTML 4.0 Transitional//EN">
<html>
<head>
<title>Boost Licence Dependency Information</title>
</head>
<body>
<H1>Boost Licence Dependency Information</H1>
<H2>Contents</h2>
<pre><a href="#input">Input Information</a>
</pre>
<a href="#summary">Licence Summary</a>
<a href="#details">Licence Details</a>
<a href="#files">Files with no recognised license</a>
<a href="#authors">Files with no recognised copyright holder</a>
</body>
</html>
input Information:

if(m_scan_mode)
    os << "The following files were scanned for boost dependencies:<BR>
";
else
    os << "The following Boost modules were checked:<BR>
"

std::list<
    std::string>
::const_iterator si = m_module_list.begin();
std::list<
    std::string>
::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>
";
    ++si;
}
os << "The Boost path was: <code>" << m_boost_path.string() << "</code></P>"
;

// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):

// fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex("^\[[[:blank:]]*#\[[[:blank:]]*define[[:blank:]]*BOOST_VERSION[[:blank:]]+([\d]+)$\];
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100 << "</P>"
;
}

// output each license:

i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    // start with the summary:
    //
    os << "Licence Summary</h2>
";
    while(i != j)
    {
        // title:
os <<
"<H3>" << licenses.first[i->first].license_name << "</H3>
);
// license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
// Copyright holders:
os << "<P>This license is used by " << i->second.authors.size()
<< " authors and " << i->second.files.size()
<< " files <a href="#" << make_link_target(licenses.first[i->first].license_name) << ">
(see details)</a>";
os << "</P><BLOCKQUOTE><P>
++i;
}
}
//
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name="details"></a><h2>Licence Details</h2>
;
while(i != j)
{
// title:
os <<
"<H3><A name="" << make_link_target(licenses.first[i->first].license_name)
<< ">
</A>" << licenses.first[i->first].license_name << "</H3>
);
// license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
if(!m_bsl_summary_mode || (license_index >= 3))
{
    // Copyright holders:
os << "<P>This license is used by the following " << i->second.authors.size() << "
copyright holders:<P>
<BLOCKQUOTE>
";
    std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{    os << "+x << "<BR><P>
";
+*x;
}
os << "</P><BLOCKQUOTE><P>
// Files using this license:
os << "<P>This license applies to the following " << i->second.files.size() << "
files:<P>
<BLOCKQUOTE>
";
    std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{  os << split_path(m_boost_path, *m) << "<br>
"  ++m;
}  
os << "</P></BLOCKQUOTE><\n";
}  
else  {
  os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P><\n";
  os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P><\n";
}  
++license_index;
++i;
}

// Output list of files not found to be under license control:
//
// os << "<h2><a name="files"></a>Files With No Recognisable Licence</h2><\n"
  "<P>The following " << m_unknown_licenses.size() << " files had no recognisable license information:</P><\n"
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
  os << split_path(m_boost_path, *i2) << "<br>
"  ++i2;
}

os << "</p></BLOCKQUOTE>";
//
// Output list of files with no found copyright holder:
//
// os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2><\n"
  "<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright holder:</P><\n"
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
  os << split_path(m_boost_path, *i2) << "<br>
"  ++i2;
}

os << "</p></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
  //
  // Output list of files that have been moved over to the Boost
  // Software License, along with enough information for human
Files that can be automatically converted to the Boost Software License

The following files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS: 

```cpp
// verification.
//
os << "<h2><a name="bsl-converted"></a>Files that can be automatically converted to the Boost Software License</h2><p>
" << "The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:\n"; 
if (!m_converted_to_bsl.empty())
{
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
ie = m_converted_to_bsl.end();
    int file_num = 1;
    while (i != ie)
    {
        os << "<p>
            <p>
                File: <tt>" << split_path(m_boost_path, i->first)
                "</tt><br>
                <table border="1">
                    <tr>
                      <td><pre>
                        " << i->second.first << "</pre></td>
                      <td><pre>
                        " << i->second.second << "</pre></td>
                    </tr>
                </table>
            </p>
        " << ++i;
    }
}
```

// Output list of files that could be moved over to the Boost Software License

```cpp
//
os << "<h2><a name="to-bsl"></a>Files that could be converted to the Boost Software License</h2><p>
" << "The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost Software License, but have not yet been: \n"; 
i2 = m_can_migrate_to_bsl.begin();
j2 = m_can_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "\n";
    ++i2;
} 
```

// Output list of files that can not be moved over to the Boost Software License

```cpp
//
os << "<h2><a name="not-to-bsl"></a>Files that can NOT be converted to the Boost Software License</h2><p>
" << "The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors: \n"; 
i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
```
os << split_path(m_boost_path, *i2) << "<br>
";
    ++i2;
}
os << "</p></BLOCKQUOTE>
";
// Output list of authors that we need permission for to move to the BSL
//
// Permission of the following authors is needed before we can convert to the Boost Software License. The
// list of authors that have given their permission is contained in <code>more/blanket-permission.txt</code>.
//
// Output a table of copyright information:
//
// Copyright Holder Information:
//
// File Dependency Information:
//
// File Dependency Information:

if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less> ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
                      ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }
    fi = bad_paths.begin();
    efi = bad_paths.end();
    os << "<P>For brevity, only files not under the BSL are shown</P>
    
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi);
        dep = m_dependencies.find(*fi);
        last_dep = m_dependencies.end();
        std::set<fs::path, path_less> seen_deps;
        if (dep != last_dep)
            while(true)
            {
                os << " -> ";
                if(fs::exists(m_boost_path / dep->second))
                    os << split_path(m_boost_path, dep->second);
                else if(fs::exists(dep->second))
                    os << split_path(fs::path(), dep->second);
                else
                    os << dep->second.string();
                if(seen_deps.find(dep->second) != seen_deps.end())
                {
                    os << " <I>(Circular dependency!)</I>";  
                    break; // circular dependency!!!
                }
                seen_deps.insert(dep->second);
                last_dep = dep;
                dep = m_dependencies.find(dep->second);
                if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
                    break;
            }
        os << "\n";
        ++fi;
    }
}
The following is the overall license for the boost date_time library. This notice is found in all source files related to the library.

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</para>
<!--hr / -->
<ulink url="mailto:jeff@crystalclearsoftware.com">Jeff Garland</ulink>
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</section>
[/============================================================================
Boost.Geometry (aka GGL, Generic Geometry Library)

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#include <boost/mpl/fold.hpp>
#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/vector.hpp>

template <typename State, typename X>
struct f { using type = X; }; 

struct state { }; 

template <int i>
struct t { }; 

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>; 

using result = boost::mpl::fold<vector, state, boost::mpl::quote2<f>::type>; 

int main() { }
Copyright Test

<title>Copyright Test</title>
<articleinfo>
  <copyright>
    <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
  </copyright>
  <copyright>
    <year>2018</year> <holder>Joe Blow, John Coe</holder>
  </copyright>
  <copyright>
    <year>1977</year> <year>1985</year> <holder>Someone else</holder>
  </copyright>
</articleinfo>
</article>

var group__group_ext_mpl =
[
    [ "integral_c", "structboost_1_1mpl_1_1integral__c.html", null ],
    [ "list", "structboost_1_1mpl_1_1list.html", null ],
    [ "vector", "structboost_1_1mpl_1_1vector.html", null ]
];

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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===========================================================================

The default copyright note for C++ source files reads:

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The copyright note for other (source) files as .py, Jamfiles, etc is similar
and comments are changed accordingly.

<html>
<head></head>
<body>
<h3>Copyright Test</h3>
<p class="copyright">
1963, 1964, 1965 Jane Doe
</p>
<p class="copyright">
2018 Joe Blow, John Coe
</p>
<p class="copyright">
1977, 1985 Someone else
</p>
</body>
</html>

////////////////////////////////////

//
// (C) Copyright Ion Gaztanaga 2006-2014
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#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#include <boost/config.hpp>
#endif
#if defined(BOOST_HAS_PRAGMA_ONCE)
#pragma once
#endif

#include <boost/intrusive/detail/config_begin.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>

namespace boost {
namespace intrusive {
namespace detail {

using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::is_const;
using boost::move_detail::identity;
using boost::move_detail::alignment_of;

}}}
using boost::move_detail::is_empty;
using boost::move_detail::addressof;
using boost::move_detail::integral_constant;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::apply;
using boost::move_detail::eval_if_c;
using boost::move_detail::eval_if;
using boost::move_detail::unvoid_ref;
using boost::move_detail::add_const_if_c;

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME)     \
    template <typename T>                                          \
    struct boost_intrusive_has_type_ ## TNAME                      \
    {                                                              \
        template <typename X>                                       \
        static char test(int, typename X::TNAME*);                  \
        \
        template <typename X>                                       \
        static int test(...);                                       \
        \
        static const bool value = (1 == sizeof(test<T>(0, 0)));     \
    }                                                              \


template <typename T, typename DefaultType>
struct boost_intrusive_default_type_##TNAME
{

    struct DefaultWrap { typedef DefaultType TNAME; }; 


typedef typename \
    ::boost::intrusive::detail::if_c \
    < boost_intrusive_has_type_##TNAME<T>::value \
      , T, DefaultWrap>::type::TNAME type; 

};

//

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T, 
TNAME, TIMPL) \
    typename INSTANTIATION_NS_PREFIX
        boost_intrusive_default_type_##TNAME< T, TIMPL >::type \

//

#define BOOST_INTRUSIVE_HAS_TYPE(INSTANTIATION_NS_PREFIX, T, TNAME) \
    INSTANTIATION_NS_PREFIX
        boost_intrusive_has_type_##TNAME< T >::value \

//

#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME) \
    template <typename T, typename DefaultType>
struct boost_intrusive_eval_default_type_##TNAME
{

    template <typename X> \
    static char test(int, typename X::TNAME*); 

    template <typename X> \
    static int test(...); 

    struct DefaultWrap \
    { typedef typename DefaultType::type TNAME; }; 

    static const bool value = (1 == sizeof(test<T>(0, 0))); 

};

//

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T,
#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAITS_PREFIX, TYPEDEF_TO_FIND) \ 
template <class T>\ 
struct TRAITS_PREFIX##_bool\ 
{\ 
 template<bool Add>\ 
 struct two_or_three {yes_type _[2 + Add]};\ 
 template <class U> static yes_type test(...);\ 
 template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int);\ 
 static const std::size_t value = sizeof(test<T>(0));\ 
};\ 
 \ 
 template <class T>\ 
 struct TRAITS_PREFIX##_bool_is_true\ 
 {\ 
  static const bool value = TRAITS_PREFIX##_bool<T>::value > sizeof(yes_type)*2;\ 
 };\ 
 //

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAITS_NAME, FUNC_NAME) \ 
template <typename U, typename Signature> \ 
class TRAITS_NAME \ 
{ \ 
 private: \ 
 template<Signature> struct helper; \ 
 template<typename T> \ 
 static ::boost::intrusive::detail::yes_type test(helper<&T::FUNC_NAME>*); \ 
 template<typename T> static ::boost::intrusive::detail::no_type test(...); \ 
 public: \ 
 static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type); \ 
};\ 
 //

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME) \ 
template <typename Type> \ 
struct TRAITS_NAME \ 
{ \ 
 struct BaseMixin \ 
 { \ 
  void FUNC_NAME(); \ 
 } \ 
 struct Base : public Type, public BaseMixin { Base(); }; \ 

template <typename T, T T> class Helper {};

template <typename U>
static ::boost::intrusive::detail::no_type test(U*, Helper<void (BaseMixin::*())(), &U::FUNC_NAME>* = 0);
static ::boost::intrusive::detail::yes_type test(...);
static const bool value = sizeof(::boost::intrusive::detail::yes_type) == sizeof(test((Base*)(0)));

//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAITS_NAME,
FUNC_NAME) 
BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME##_ignore_signature, FUNC_NAME)

//

template <typename Type, class>
struct TRAITS_NAME
  : public TRAITS_NAME##_ignore_signature<Type>
{}

//namespace detail
} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP

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////

[#mpl]
# MPL Support, <boost/mp11/mp11.hpp>
:toc:
:toc-title:
:idprefix:

The header `<boost/mp11/mp11.hpp>`, when included, defines the
necessary support infrastructure for `mp_list` and `std::tuple`
to be valid link:`/./././libs/mpl[MPL] sequences.

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

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All the value based traits in this library conform to MPL’s requirements
for an [@../../../../libs/mpl/doc/refmanual/integral-constant.html Integral Constant type].

Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library
will no longer implicitly include any MPL header. However there is an implicit conversion from
`integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types
in function overloads will still work as before.
#!/usr/bin/env python
from subprocess import check_output as run
from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic

def authors(filename):
    log = run(['git', 'log', '--follow',
               '--date=short', '--format=%aN%tx09%ad', filename],
               universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('	')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')

def new_copyright(filename, previous):
    def f():
        au = list(authors(filename))
        alldates = map(itemgetter(1), au)
        aup = sorted(au + map(lambda a: (a, None), previous), key=itemgetter(0))
        for author, records in groupby(aup, itemgetter(0)):
            dates = filter(None, map(itemgetter(1), records))
            if not dates: dates = alldates
            start = min(dates)
            end = max(dates)
            fmt = '{0}' if start.year == end.year else '{0}-{1}'
            line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
            key = (start, author)
            yield key, line
        return map(itemgetter(1), sorted(f()))

def fix_copyright(filename):
    # Find copyright block in original file
    prefix = set()
    names = []
    lines = []
    with open(filename, 'r') as f:
        content = list(f)
        for i, line in enumerate(content[:15]):
            m = re.match(r'^(?P<prefix>W*')(\(c\))?s*?copyright\s*(\(c\))?s+\d{4}(?s*-\s*\d{4}?)?s+\d{4}(?s*\s*\d{4}?)?s+\d{4}'+\s*P<name>.+\s*P<S$',
                         line, re.IGNORECASE)
            if m:
                d = m.groupdict()
                prefix.add(d['prefix'])
                lines.append(i)
                names.append(d['name'].strip())
if len(prefix) != 1:
    print 'Not found:', filename
    return
prefix = list(prefix)[0]

print filename
new = iter(new_copyright(filename, names))
with open(filename, 'w') as f:
    for i, line in enumerate(content):
        if i in lines:
            for repl in new:
                print >>f, prefix + repl
        else:
            print >>f, line,
pass

def all_files():
    ls = run(['git', 'ls-files'], universal_newlines=True)
    for filename in ls.splitlines():
        if magic.from_file(filename, mime=True).split('/')[0] == 'text':
            yield filename

for f in all_files():
    fix_copyright(f)

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/////////////////////////////////////////////////////////////////////////////

ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif
#
#if defined(BOOST_HAS_PRAGMA_ONCE)
 # pragma once
#endif

#include <cassert>


namespace boost {
namespace interprocess {
namespace ipcdetail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_> 
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_; 
};

typedef bool_<true>        true_;
typedef bool_<false>       false_;

typedef true_ _true_type;
typedef false_ _false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {}

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {}

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {}

template<
    bool C
 , typename T1
 , typename T2

struct if_c
{
    typedef T1 type;
};

template<
    typename T1
    , typename T2
    >
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
    >
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>  
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

}  //namespace ipcdetail {
}  //namespace interprocess {
}  //namespace boost {
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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Mersenne Twister

The `mod:` ``_random`` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
e-mail: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------

The `socket` module uses the functions, `getaddrinfo`, and `getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/.

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Asynchronous socket services
----------------------------

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls
---------------------------

The :mod:`xmlrpc.client` module contains the following notice::

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Select kqueue
-------------

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SipHash24
--------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
Samuel Neves (supercop/crypto_auth/siphash24/little)
djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
----------

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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cfuhash
------

The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project::

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libmpdec
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@end enumerate

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@item
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@enumerate
@item
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@heading Appendix: How to Apply These Terms to Your New Programs

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

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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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Copyright (C) @var{yyyy}  @var{name of author}

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```

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```

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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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@endenumerate

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

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@enumerate a
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@end enumerate

@end subheading END OF TERMS AND CONDITIONS

@page

@subheading How to Apply These Terms to Your New Libraries

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@var{one line to give the library's name and an idea of what it does.}
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1.873 apparmor 2.13.2-10

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Theodore Ts'o
23-June-2007

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1.898 eclipse-jdt-core 3.10.0

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# Constant-time SSSE3 AES core implementation.
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#
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```

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Tests included here are based on build output generated by the six-speed benchmark suite.

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## Installation

### require('spdx-license-ids')


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

#### Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm):

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

## [Node.js](https://nodejs.org/) API

#### require('spdx-license-ids')
All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]
ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
ids.includes('GPL-3.0'); //=> false
```
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```json
{
  'variables': {
    'openssl_sources': [
      'openssl/ssl/bio_ssl.c',
      'openssl/ssl/d1_lib.c',
      'openssl/ssl/d1_msgr.c',
      'openssl/ssl/d1_srtp.c',
      'openssl/ssl/methods.c',
      'openssl/ssl/packet.c',
      'openssl/ssl/pqueue.c',
      'openssl/ssl/record/dtls1_bitmap.c',
      'openssl/ssl/record/rec_layer_d1.c',
      'openssl/ssl/record/rec_layer_s3.c',
      'openssl/ssl/record/ssl3_buffer.c',
      'openssl/ssl/record/ssl3_record.c',
      'openssl/ssl/record/ssl3_record_tls13.c',
      'openssl/ssl/s3_cbc.c',
      'openssl/ssl/s3_enc.c',
      'openssl/ssl/s3_lib.c',
      'openssl/ssl/s3_msgr.c',
      'openssl/ssl/s3_asn1.c',
      'openssl/ssl/s3_cert.c',
      'openssl/ssl/s3_cipher.c',
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      'openssl/ssl/s3_err.c',
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      'openssl/ssl/s3_sess.c',
      'openssl/ssl/s3_stat.c',
      'openssl/ssl/s3_txt.c',
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      'openssl/ssl/statem/extensions_srvr.c',
      'openssl/ssl/statem/statem.c',
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      'openssl/ssl/statem/statem_dtls.c',
      'openssl/ssl/statem/statem_lib.c',
      'openssl/ssl/statem/statem_srvr.c',
      'openssl/ssl/t1_enc.c',
      'openssl/ssl/t1_lib.c',
      'openssl/ssl/t1_trce.c',
      'openssl/ssl/tls13_enc.c',
    ]
  }
}
```
'openssl/crypto/asn1/n_pkey.c',
'openssl/crypto/asn1/nsseq.c',
'openssl/crypto/asn1/p5_pbe.c',
'openssl/crypto/asn1/p5_pbev2.c',
'openssl/crypto/asn1/p5_scrypt.c',
'openssl/crypto/asn1/p8_pkey.c',
'openssl/crypto/asn1/t_bitst.c',
'openssl/crypto/asn1/t_pkey.c',
'openssl/crypto/asn1/t_spki.c',
'openssl/crypto/asn1/tasn_dec.c',
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'openssl/crypto/asn1/tasn_fre.c',
'openssl/crypto/asn1/tasn_new.c',
'openssl/crypto/asn1/tasn_prn.c',
'openssl/crypto/asn1/tasn_scn.c',
'openssl/crypto/asn1/tasn_typ.c',
'openssl/crypto/asn1/tasn_utl.c',
'openssl/crypto/asn1/x_algor.c',
'openssl/crypto/asn1/x_bignum.c',
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'openssl/crypto/asn1/x_int64.c',
'openssl/crypto/asn1/x_long.c',
'openssl/crypto/asn1/x_pkey.c',
'openssl/crypto/asn1/x_sig.c',
'openssl/crypto/asn1/x_spki.c',
'openssl/crypto/asn1/x_val.c',
'openssl/crypto/async/arch/async_null.c',
'openssl/crypto/async/arch/async_posix.c',
'openssl/crypto/async/arch/async_win.c',
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'openssl/crypto/async/async_err.c',
'openssl/crypto/async/async_wait.c',
'openssl/crypto/bf/bf_cfb64.c',
'openssl/crypto/bf/bf_ebc.c',
'openssl/crypto/bf/bf_enc.c',
'openssl/crypto/bf/bf_ofb64.c',
'openssl/crypto/bf/bf_skey.c',
'openssl/crypto/bio/b_addr.c',
'openssl/crypto/bio/b_dump.c',
'openssl/crypto/bio/b_print.c',
'openssl/crypto/bio/b_sock.c',
'openssl/crypto/bio/b_sock2.c',
'openssl/crypto/bio/bf_buff.c',
'openssl/crypto/bio/bf_lbuf.c',
'openssl/crypto/bio/bf_nbio.c',
'openssl/crypto/bio/bf_null.c',
'openssl/crypto/bio/bio_ch.c',
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Open Source Used In MSX Platform Infrastructure 3.10.0 9053
'openssl/crypto/buffer/buf_err.c',
'openssl/crypto/buffer/buffer.c',
'openssl/crypto/camellia/cmll_cfb.c',
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'openssl/crypto/camellia/cmll_misc.c',
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'openssl/crypto/cms/cms_enc.c',
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'openssl/crypto/conf/conf_ssl.c',
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Open Source Used In MSX Platform Infrastructure 3.10.0 9055
'openssl/crypto/ct/ct_x509v3.c',
'openssl/crypto/ctype.c',
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'openssl/crypto/des/fcrypt.c',
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'openssl/crypto/des/ofb64ede.c',
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'openssl/crypto/des/qud_cksm.c',
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'openssl/crypto/idea/i_cfb64.c',
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'openssl/crypto/idea/i_ofb64.c',
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Open Source Used In MSX Platform Infrastructure 3.10.0 9059
'openssl/crypto/init.c',
'openssl/crypto/kdf/hkdf.c',
'openssl/crypto/kdf/kdf_err.c',
'openssl/crypto/kdf/scrypt.c',
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'openssl/crypto/lhash/lh_stats.c',
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'openssl/crypto/md4/md4_one.c',
'openssl/crypto/md5/md5_dgst.c',
'openssl/crypto/md5/md5_one.c',
'openssl/crypto/mdc2/mdc2_one.c',
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'openssl/crypto/mem.c',
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'openssl/crypto/mem_sec.c',
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'openssl/crypto/ocsp/ocsp_srv.c',
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'openssl/crypto/pem/pem_all.c',

Open Source Used In MSX Platform Infrastructure 3.10.0 9060
'openssl/crypto/stack/stack.c',
'openssl/crypto/store/loader_file.c',
'openssl/crypto/store/store_err.c',
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'openssl/crypto/x509/by_dir.c',
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Open Source Used In MSX Platform Infrastructure 3.10.0  9063
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'openssl/crypto/x509v3/v3_extku.c',
'openssl/crypto/x509v3/v3_gen.c',
'openssl/crypto/x509v3/v3_ia5.c',
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'openssl/crypto/x509v3/v3_skey.c',
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'RC4_ASM',
'MD5_ASM',
'AESNI_ASM',
'VPAES_ASM',
'GHASH_ASM',
'ECP_NISTZ256_ASM',
'X25519_ASM',
'POLY1305_ASM',
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'-pthread',
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'./crypto',
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'cflags': ['<@(openssl_cflags_BSD-x86_64)'],
'libraries': ['<@(openssl_ex_libs_BSD-x86_64)'],
'sources': ['<@(openssl_sources)', '<@(openssl_sources_BSD-x86_64)'],
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            'openssl/apps/dgst.c',
            'openssl/apps/dhparam.c',
            'openssl/apps/dsa.c',
            'openssl/apps/dsaparam.c',
            'openssl/apps/ec.c',
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            'openssl/apps/enc.c',
            'openssl/apps/engine.c',
            'openssl/apps/errstr.c',
            'openssl/apps/gendsa.c',
            'openssl/apps/genpkey.c',
            'openssl/apps/genrsa.c',
            'openssl/apps/nseq.c',
            'openssl/apps/ocsp.c',
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            'openssl/apps/paswd.c',
            'openssl/apps/pkcs12.c',
            'openssl/apps/pkcs7.c',
            'openssl/apps/pkcs8.c',
            'openssl/apps/pkey.c',
            'openssl/apps/pkeyparam.c',
            'openssl/apps/pkeyutl.c',
            'openssl/apps/prime.c',
            'openssl/apps/rand.c',
            'openssl/apps/rehash.c',
            'openssl/apps/req.c',
        ],
    }
}
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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);
```javascript
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-only 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('UNLICENCED'), unlicensed);

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/*
// Original can be found at:
//   https://bitbucket.org/lindenlab/lsl
// Modifications by Joshua Bell inexorabletash@gmail.com
//   https://github.com/inexorabletash/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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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation
=======================================================================
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1.909 libcap 2.25-2

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1.914 jsr305 1.3.9
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1.916 gobject-introspection 1.56.1-1.el7

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1.919 metrics-core 2.2.0

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1.921 javax-ws-rs-api 2.0

1.922 slf4j-log4j 1.7.25

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1.924 expat 2.1.0-12.el7

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1.925 tcp-wrappers 7.6.q-28

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1.927 hcl 1.0.0

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package license

import (  
  "context"  
  "flag"  
  "github.com/vmware/govmomi/govc"  
  "github.com/vmware/govmomi/govc/cli"  
  "github.com/vmware/govmomi/govc/flags"  
  "github.com/vmware/govmomi/license"  
  "github.com/vmware/govmomi/vim25/methods"  
  "github.com/vmware/govmomi/vim25/types"  
)

type label struct {  
  *flags.ClientFlag  
}

func init() {
  cli.Register("license.label.set", &label{ })
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {
  cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
  cmd.ClientFlag.Register(ctx, f)
}

func (cmd *label) Usage() string {
func (cmd *label) Description() string {
    return `Set license labels.

    Examples:
govc license.label.set 00000-00000-00000-00000-00000 team cnx # add/set label
govc license.label.set 00000-00000-00000-00000-00000 team "" # remove label
govc license.ls -json | jq ".[] | select(.Labels[].Key == "team") | .LicenseKey"
}

func (cmd *label) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    if f.NArg() != 3 {
        return flag.ErrHelp
    }

    req := types.UpdateLicenseLabel{
        This:         m.Reference(),
        LicenseKey:   f.Arg(0),
        LabelKey:     f.Arg(1),
        LabelValue:   f.Arg(2),
    }

    _, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
    return err
}

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#!/usr/bin/env bats
load test_helper
# These tests should only run against a server running an evaluation license.

```bash
verify_evaluation() {
    if [ "$(govc license.ls -json jq -r .[0].EditionKey)" != "eval" ]; then
        skip "requires evaluation license"
    fi
}
```

```bash
get_key() {
    jq ".[1] | select(.LicenseKey == "$1")"
}
```

```bash
get_property() {
    jq -r ".Properties[] | select(.Key == "$1") | .Value"
}
```

```bash
get_label() {
    govc license.ls -json jq ".[] | select(.LicenseKey == "$1") | .Labels[] | select(.Key == "$2") | .Value"
}
```

```bash
get_nlabel() {
    govc license.ls -json jq ".[] | select(.LicenseKey == "$1") | .Labels[].Key" | wc -l
}
```

```bash
@test "license.add" {
    esx_env

    verify_evaluation

    run govc license.add -json 00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00002
    assert_success

    # Expect to see an entry for both the first and the second key
    assert_equal "License is not valid for this product" "$\$(get_key 00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00001 <<<\$(output) | get_property diagnostic)"
    assert_equal "License is not valid for this product" "$\$(get_key 00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00002 <<<\$(output) | get_property diagnostic)"
}
```

```bash
@test "license.remove" {
    esx_env

    verify_evaluation

    run govc license.remove -json 00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00000-00001
    assert_success
}
```

```bash
@test "license.ls" {
```
vcsim_env

verify_evaluation

run govc license.ls -json
assert_success

# Expect the test instance to run in evaluation mode
assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000 <<<output | jq -r ".Name")"
}

@test "license.decode" {
    esx_env

    verify_evaluation

    key=00000-00000-00000-00000-00000
    assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
}

@test "license.label.set" {
    vcsim_env

    key=00000-00000-00000-00000-00000
    assert_equal 0 "$(get_nlabel $key)
    assert_equal "" "$(get_label $key foo)"

    run govc license.label.set $key foo bar
    assert_success

    assert_equal 1 "$(get_nlabel $key)"
    assert_equal bar "$(get_label $key foo)"

    run govc license.label.set $key biz baz
    assert_success
    run govc license.label.set $key foo bar2
    assert_success

    assert_equal 2 "$(get_nlabel $key)"
    assert_equal bar2 "$(get_label $key foo)"

    run govc license.label.set $key foo ""
    assert_success

    assert_equal 1 "$(get_nlabel $key)"
    assert_equal "" "$(get_label $key foo)"
}
Paul Borman <borman@google.com>
bmatsuo
shawnps
theory
jboverfelt
dsymonds
cd1
wallclockbuilder
dansouza
/*
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package simulator

)

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
  LicenseKey: "00000-00000-00000-00000-00000",
  EditionKey: "eval",
  Name: "Evaluation Mode",
  Properties: []types.KeyAnyValue{
    {Key: "feature",
     Value: types.KeyValue{
       Key: "serialuri:2",
       Value: "Remote virtual Serial Port Concentrator",
     },
     {Key: "feature",
      Value: types.KeyValue{
       Key: "dvs",
       Value: "vSphere Distributed Switch",
     },
    },
  }
}

type LicenseManager struct {
  mo.LicenseManager
}

func (m *LicenseManager) init(r *Registry) {
  m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}
  if r.IsVPX() {
    am := Map.Put(&LicenseAssignmentManager{}).Reference()
    m.LicenseAssignmentManager = &am
  }
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
  body := &methods.AddLicenseBody{
    Res: &types.AddLicenseResponse{}
  }
  for _, license := range m.Licenses {
    if license.LicenseKey == req.LicenseKey {
      body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
      return body
    }
  }
  m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
LicenseKey: req.LicenseKey,
Labels:   req.Labels,
})

body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

return body
}

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
body := &methods.RemoveLicenseBody{
Res: &types.RemoveLicenseResponse{
}
}

for i, license := range m.Licenses {
if req.LicenseKey == license.LicenseKey {
    m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:...])
    return body
}
}

return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
body := &methods.UpdateLicenseLabelBody{
}

for i := range m.Licenses {
    license := &m.Licenses[i]

    if req.LicenseKey != license.LicenseKey {
        continue
    }

    body.Res = new(types.UpdateLicenseLabelResponse)

    for j := range license.Labels {
        label := &license.Labels[j]

        if label.Key == req.LabelKey {
            if req.LabelValue == "" {
                license.Labels = append(license.Labels[:i], license.Labels[i+1:...])
            } else {
                label.Value = req.LabelValue
            }
            return body
        }
    }
}

Open Source Used In MSX Platform Infrastructure 3.10.0 9322
license.Labels = append(license.Labels, types.KeyValue{
    Key:   req.LabelKey,
    Value: req.LabelValue,
})

return body
}

body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
return body
}

type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{},
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type:  "HostSystem",
                Value: req.EntityId,
            }

            if Map.Get(id) == nil {
                return body
            }
        }
    }

    body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
        {
            EntityId:   req.EntityId,
            AssignedLicense: EvalLicense,
        },
    }

    return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense
info.LicenseKey = key
info.Labels = labels

return info
}

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*/

package license

import ( "context"
type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{})
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *remove) Usage() string {
    return "KEY..."
}

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }
    return nil
}
package license

import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/vim25/types"
)

type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Key:	Edition:	Used:	Total:
"
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.LicenseKey)
        fmt.Fprintf(tw, "%s	", v.EditionKey)
        fmt.Fprintf(tw, "%d	", v.Used)
        fmt.Fprintf(tw, "%d	", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
    
*/

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*/

open source used in msx platform infrastructure 3.10.0 9334
package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type decode struct {
    *flags.ClientFlag
    *flags.OutputFlag
    feature string
}

func init() {
    cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

/

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*/
func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }
    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }
    return cmd.WriteResult(licenseOutput(result))
}

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*/

package license

import (  
"context"
type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag
    name   string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{})
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)
    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)
    f.StringVar(&cmd.name, "name", "", "Display name")
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }
}
func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }
    key := f.Arg(0)

    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    host, err := cmd.HostSystemIfSpecified()
    if err != nil {
        return err
    }

    var id string
    if host == nil {
        cluster, cerr := cmd.ClusterIfSpecified()
        if cerr != nil {
            return cerr
        }
        if cluster == nil {
            // Default to vCenter UUID
        }
    }
}

//
id = client.ServiceContent.About.InstanceUuid
} else {
    id = cluster.Reference().Value
}
} else {
    id = host.Reference().Value
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}));

package simulator

import (  
    "context"  
    "reflect"  
    "testing"
    
    "github.com/vmware/govmomi"  
    "github.com/vmware/govmomi/find"  
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {

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*/

package simulator

import (  
    "context"  
    "reflect"  
    "testing"
    
    "github.com/vmware/govmomi"  
    "github.com/vmware/govmomi/find"  
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {

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*/

package simulator

import (  
    "context"  
    "reflect"  
    "testing"
    
    "github.com/vmware/govmomi"  
    "github.com/vmware/govmomi/find"  
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {
ctx := context.Background()
m := VPX()

defer m.Remove()

er := m.Create()
if err != nil {
    t.Fatal(err)
}

s := m.Service.NewServer()
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

lm := license.NewManager(c.Client)
am, err := lm.AssignmentManager(ctx)
if err != nil {
    t.Fatal(err)
}

la, err := am.QueryAssigned(ctx, "enoent")
if err != nil {
    t.Fatal(err)
}

if len(la) != 0 {
    t.Errorf("unexpected license")
}

finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/...")
if err != nil {
    t.Fatal(err)
}

host := hosts[0].Reference().Value

for _, name := range []string{"", host, vcid} {
    la, err = am.QueryAssigned(ctx, name)
    if err != nil {
        t.Fatal(err)
    }
}
if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
    t.Fatal("invalid license")
}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
    m := ESX()

    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    _, err = lm.AssignmentManager(ctx)
    if err == nil {
        t.Fatal("expected error")
    }

    la, err := lm.List(ctx)
    if err != nil {
        t.Fatal(err)
    }

    if len(la) != 1 {
        t.Fatal("no licenses")
    }

    if !reflect.DeepEqual(la[0], EvalLicense) {
        t.Fatal("invalid license")
    }
}
func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
    m := ESX()

    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
    key := "00000-00000-00000-00000-11111"
    labels := map[string]string{"key": "value"}

    info, err := lm.Add(ctx, key, labels)
    if err != nil {
        t.Fatal(err)
    }

    if info.LicenseKey != key {
        t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
    }

    if len(info.Labels) != len(labels) {
        t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(info.Labels))
    }

    if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
        t.Fatalf("expect label to be {key:value}; got {""%s":%s""}, info.Labels[0].Key, info.Labels[0].Value)
    }

    la, err := lm.List(ctx)
    if err != nil {
        t.Fatal(err)
    }
}
if len(la) != 2 {
    t.Fatal("no licenses")
}

if la[1].LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, la[1].LicenseKey)
}

if len(la[1].Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(la[1].Labels))
}

if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%s:%s}", la[1].Labels[0].Key, la[1].Labels[0].Value)
}

err = lm.Remove(ctx, key)
if err != nil {
    t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}
*/

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*/
package license

import (
    "context"
    "flag"
    "fmt"
    "io"
    "os"
    "text/tabwriter"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag

    id string
}

func init() {
    cli.Register("license.assigned.ls", &assigned{})
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}
func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    assigned, err := m.QueryAssigned(ctx, cmd.id)
    if err != nil {
        return err
    }

    return cmd.WriteResult(assignedOutput(assigned))
}

type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.EntityId)
        fmt.Fprintf(tw, "%s	", v.Scope)
        fmt.Fprintf(tw, "%s	", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s	", v.AssignedLicense.LicenseKey)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

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*/
package license

import (
    "context"
    "flag"
    "fmt"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type add struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.add", &add{ })
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    client, err :=
return err
}

m := license.NewManager(client)

// From the vSphere 5.5 documentation:
//
// To specify the edition type and any optional functions, use
// updateLicense for ESX Server and addLicense follow by
// LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
//
var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return fmt.Errorf("unsupported ApiType: %s", t)
}

result := make(licenseOutput, 0)
for _, v := range f.Args() {
    license, err := addFunc(ctx, v, nil)
    if err != nil {
        return err
    }
    result = append(result, license)
}

return cmd.WriteResult(licenseOutput(result))

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*/
package license

import {
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
}

var featureUsage = "List licenses with given feature"

type ls struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.ls", &ls{ })
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
if err != nil {
    return err
}

m := license.NewManager(client)
result, err := m.List(ctx)
if err != nil {
    return err
}

if cmd.feature != "" {
    result = result.WithFeature(cmd.feature)
}

return cmd.WriteResult(licenseOutput(result))
}

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 */

package license

import (
  "context"
  "github.com/vmware/govmomi/object"
  "github.com/vmware/govmomi/vim25/methods"
  "github.com/vmware/govmomi/vim25/types"
)

type AssignmentManager struct {
  object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {

req := types.QueryAssignedLicenses{
    This: m.Reference(),
    EntityId: id,
}

res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
if err != nil {
    return nil, err
}

return res.Returnval, nil

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
    req := types.RemoveAssignedLicense{
        This: m.Reference(),
        EntityId: id,
    }

    _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

    return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateAssignedLicense{
        This: m.Reference(),
        Entity: id,
        LicenseKey: key,
        EntityDisplayName: name,
    }

    res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)
    if err != nil {
        return nil, err
    }

    return &res.Returnval, nil
}
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*/

package license

import {
    "context"
    "strconv"
    "strings"
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
}

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }

    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }

    return req, nil
}
res, err := methods.AddLicense(ctx, m.Client(), &req)
if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
}
return res.Returnval, nil

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }
    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager
    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }
    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager
    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }
    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }
    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }
    return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    f := strings.Split(feature, ":")
    lf := new(licenseFeature)
    lf.name = f[0]
    if len(f) > 1 {
        var err error
        lf.level, err = strconv.Atoi(f[1])
        if err != nil {
            return nil, err
        }
    return lf
}
func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
    feature := parseLicenseFeature(key)
    for _, p := range license.Properties {
        if p.Key != "feature" {
            continue
        }
        kv, ok := p.Value.(types.KeyValue)
        if !ok {
            continue
        }
        lf := parseLicenseFeature(kv.Key)
        if lf.name == feature.name && lf.level >= feature.level {
            return true
        }
    }
    return false
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
infoList := []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList
    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }
    return result
}
1.929 ewma v1.1.1

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1.930 spring-boot-test-autoconfigure 2.1.4

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Theodore Ts'o
23-June-2007

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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
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tsx-11.mit.edu/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image: $(BSD_LIB)	$(BSD_LIB): $(OBJS)

(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \
-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs
uninstall-shlibs uninstall:
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean:
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

1.933 asm 5.0.4

1.934 google-collections 0.9

1.935 lucene-memory 7.7.3

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package org.apache.commons.logging;

/**<p>The six logging levels used by <code>Log</code> are (in order):</p>
  * <ol>
  * <li>trace (the least serious)</li>
  * <li>debug</li>
  * <li>info</li>
  * <li>warn</li>
  * <li>error</li>
  * <li>fatal</li>
  */

---

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The mapping of these log levels to the concepts used by the underlying logging system is implementation dependent. The implementation should ensure, though, that this ordering behaves as expected.

Performance is often a logging concern. By examining the appropriate property, a component can avoid expensive operations (producing information to be logged).

For example,
<pre>
if (log.isDebugEnabled()) {
    ... do something expensive ...
    log.debug(theResult);
}
</pre>

Configuration of the underlying logging system will generally be done external to the Logging APIs, through whatever mechanism is supported by that system.

@author Juergen Hoeller (for the {@code spring-jcl} variant)
@author since 5.0

Is fatal logging currently enabled?
Call this method to prevent having to perform expensive operations (for example, String concatenation) when the log level is more than fatal.
@return true if fatal is enabled in the underlying logger.

Is error logging currently enabled?
Call this method to prevent having to perform expensive operations (for example, String concatenation) when the log level is more than error.
@return true if error is enabled in the underlying logger.
boolean isErrorEnabled();

/**
 * Is warn logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, String concatenation)
 * when the log level is more than warn.
 * @return true if warn is enabled in the underlying logger.
 */
boolean isWarnEnabled();

/**
 * Is info logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, String concatenation)
 * when the log level is more than info.
 * @return true if info is enabled in the underlying logger.
 */
boolean isInfoEnabled();

/**
 * Is debug logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, String concatenation)
 * when the log level is more than debug.
 * @return true if debug is enabled in the underlying logger.
 */
boolean isDebugEnabled();

/**
 * Is trace logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, String concatenation)
 * when the log level is more than trace.
 * @return true if trace is enabled in the underlying logger.
 */
boolean isTraceEnabled();

/**
 * Logs a message with fatal log level.
 * @param message log this message
 */
void fatal(Object message);

/**
 * Logs an error with fatal log level.
 * @param message log this message
 */
void fatal(Object message, Throwable t);

void error(Object message);

void error(Object message, Throwable t);

void warn(Object message);

void warn(Object message, Throwable t);

void info(Object message);

void info(Object message, Throwable t);

void debug(Object message);
/**
 * Logs an error with debug log level.
 * @param message log this message
 * @param t log this cause
 */
void debug(Object message, Throwable t);

/**
 * Logs a message with trace log level.
 * @param message log this message
 */
void trace(Object message);

/**
 * Logs an error with trace log level.
 * @param message log this message
 * @param t log this cause
 */
void trace(Object message, Throwable t);

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.947 gettext 0.20.1-r2

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Version 2, June 1991

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The source code for a work means the preferred form of the work for
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@end enumerate

@end iftex

@heading END OF TERMS AND CONDITIONS
@end iftex

@center END OF TERMS AND CONDITIONS
@end ifinfo

@end page

@heading Appendix: How to Apply These Terms to Your New Programs

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

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

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medium customarily used for software interchange.

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

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

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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a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
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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
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Library will not necessarily be able to recompile the application
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b) Use a suitable shared library mechanism for linking with the
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rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
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interface-compatible with the version that the work was made with.

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@subheading Preamble

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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.

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a `work based on the library` and a `work that uses the library`. The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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

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

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

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- 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.)
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.

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@end enumerate

@end iftex
@end ifinfo
@end page

@ifinfo
@end ifinfo
@end page

@page
@heading Appendix: How to Apply These Terms to Your New Programs

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

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

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@end smallexample

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:

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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.
@end example

The hypothetical commands @samp{show w} and @samp{show c} should show
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commands you use may be called something other than @samp{show w} and
@samp{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
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necessary. Here is a sample; alter the names:

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`Gnomovision' (which makes passes at compilers) written by James Hacker.
@end example

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1.964 slf4j 1.7.25

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1.976 latencyutils 2.0.3

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- analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt


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- analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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Gocheck - A rich testing framework for Go

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1.992 nuid 1.0.1

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

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

   a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

   b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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Appendix: How to Apply These Terms to Your New Programs

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

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

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

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

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but WITHOUT ANY WARRANTY; without even the implied warranty of
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Also add information on how to contact you by electronic and paper mail.

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when it starts in an interactive mode:

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

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

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

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

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

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

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

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

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

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

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

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

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
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a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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c) If distribution of the work is made by offering access to copy
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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
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distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

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Appendix: How to Apply These Terms to Your New Libraries

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

That's all there is to it!

1.998 libnfnetlink 1.0.1 4.el7

1.998.1 Available under license :

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That's all there is to it!
1.1005 jctools-core 1.2.1

1.1006 jwt 3.2.0

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1.1007 st4 4.0.8

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* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/misc/TypeRegistry.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
  jar/org/stringtemplate/v4/misc/AmbiguousMatchException.java

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*/

/** Build an AST from a single StringTemplate template */
parser grammar STParser;
	options {
	language=Java;
	environment=STLexer;

tenLabel=CommonToken;
	output=AST;
	ASTLabel=CommonTree;
}

tokens {
EXPR; OPTIONS; PROP; PROP_IND; INCLUDE; INCLUDE_IND; EXEC_FUNC; INCLUDE_SUPER;
INCLUDE_SUPER_REGION; INCLUDE_REGION; TO_STR; LIST; MAP; ZIP; SUBTEMPLATE; ARG;
ELEMENTS; REGION; NULL; INDENTED_EXPR;
}

@header {
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.misc.ErrorManager;
import org.stringtemplate.v4.misc.ErrorType;
}

@members {
ErrorManager errMgr;
Token templateToken;
public STParser(TokenStream input, ErrorManager errMgr, Token templateToken) {
this(input);
this.errMgr = errMgr;
this.templateToken = templateToken;
}
@Override
protected Object recoverFromMismatchedToken(IntStream input, int ttype, BitSet follow)
throws RecognitionException
{
throw new MismatchedTokenException(ttype, input);
}

@rulecatch {
    catch (RecognitionException re) { throw re; }
}

templateAndEOF : template EOF -> template? ;
template : element* ;

element
:{input.LT(1).getCharPositionInLine()==0]? INDENT? COMMENT NEWLINE -> // throw away
|INDENT singleElement -> ^(INDENTED_EXPR INDENT singleElement?) // singleElement is optional to handle
|singleElement
|compoundElement
|

singleElement
:exprTag
|TEXT
|NEWLINE
|COMMENT! // throw away
|

compoundElement
:ifstat
|region
|

exprTag
:LDELIM expr ( ';' exprOptions )? RDELIM
-> ^(EXPR[$LDELIM,"EXPR"] expr exprOptions?)
|

region
@init {Token indent=null;}
:i=INDENT? x=LDELIM '@' ID RDELIM {if (input.LA(1)!=NEWLINE) indent=$i;}
template
INDENT? LDELIM '@end' RDELIM
// kill \n for <@end> on line by itself if multi-line embedded region
({$region.start.getLine()!=(input.LT(1).getLine())?=> NEWLINE)?
-> {indent!=null}? 
   ^(INDENTED_EXPR $i ^(REGION[$x] ID template?)
)-> ^(REGION[$x] ID template?)
|

subtemplate
:lc= '{ (ids+= ID ( ',' ids+= ID )* | )? template INDENT? '}'
// ignore final INDENT before ] as it's not part of outer indent
-> ^(SUBTEMPLATE[$lc,"SUBTEMPLATE"] ^(ARGS $ids)* template?)
|

ifstat
@init {Token indent=null;}

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::=INDENT? LDELIM 'if' '(' c1=conditional ')' RDELIM {if (input.LA(1)!=NEWLINE) indent=$i;} t1=template
   ( INDENT? LDELIM 'elseif' '(' c2+=conditional ')' RDELIM t2+=template )*
   ( INDENT? LDELIM 'else' RDELIM t3=template )?
INDENT? endif= LDELIM 'endif'
RDELIM
// kill \n for <endif> on line by itself if multi-line IF
({$ifstat.start.getLine()=input.LT(1).getLine()}?=> NEWLINE)?
-> {indent=null}? ^
   ^(INDENTED_EXPR $i ^('if' $c1 $t1? ^('elseif' $c2 $t2)* ^('else' $t3?)?))
-> ^('if' $c1 $t1? ^('elseif' $c2 $t2)* ^('else' $t3?)?)
;
conditional
scope {
  boolean inside;
}
: andConditional ( '||'^ andConditional )*;

andConditional : notConditional ( '&&'^ notConditional )*;

notConditional
:!'^ notConditional

|memberExpr
;

notConditionalExpr
::(ID->ID)
(p='.' prop=ID-> ^(PROP[$p,"PROP"] $notConditionalExpr $prop)
[p='.' (' mapExpr ')-> ^(PROP_IND[$p,"PROP_IND"] $notConditionalExpr mapExpr)
)*)
;

exprOptions : option ( ',' option )* -> ^(OPTIONS option*)
;

option
@init {
  String id = input.LT(1).getText();
  String defVal = Compiler.defaultOptionValues.get(id);
  boolean validOption = Compiler.supportedOptions.get(id)!=null;
}
:ID
{
  if ( !validOption ) {
    errMgr.compileTimeError(ErrorType.NO_SUCH_OPTION, templateToken, $ID, $ID.text);
  }
}

(`=' exprNoComma -> {validOption}? `=' ID exprNoComma)
  ->
  |
  if ( defVal==null ) {
    errMgr.compileTimeError(ErrorType.NO_DEFAULT_VALUE, templateToken, $ID);
  }
  }
  -> {validOption&&defVal!=null}?
    ^(EQUALS["="] ID STRING[$ID,'"'+defVal+'"'])
  ->
  )
  ;

exprNoComma
  :memberExpr
  ( `.' mapTemplateRef-> ^(MAP memberExpr mapTemplateRef)
    |-> memberExpr
  )
  ;

expr : mapExpr ;

// more complicated than necessary to avoid backtracking, which ruins
// error handling
mapExpr
  :memberExpr
  ( (c=',' memberExpr)+ col=`.' mapTemplateRef
    -> ^(ZIP[$col] ^(ELEMENTS memberExpr+) mapTemplateRef)
    |-> memberExpr
  )
  ( {if ($x!=null) $x.clear();} // don't keep queueing x; new list for each iteration
col=`.' x+=mapTemplateRef ({$c==null}?=> ',' x+=mapTemplateRef )*
    -> ^(MAP[$col] $mapExpr $x+)
  )*
  ;

/**
 expr:template(args) apply template to expr
 expr:{arg | ...} apply subtemplate to expr
 expr:(e)(args) convert e to a string template name and apply to expr
*/
mapTemplateRef
  :ID ( `args ')-> ^(INCLUDE ID args?)
|subtemplate
|lp=`( mapExpr rp='') ( `argExprList? ') -> ^(INCLUDE_IND mapExpr argExprList?)
  ;

memberExpr
:(includeExpr->includeExpr)
(p='.' ID-> ^(PROP[$p,"PROP"] $memberExpr ID)
|p='.' ( mapExpr ')') -> ^(PROP_IND[$p,"PROP_IND"] $memberExpr mapExpr)
)*
;

includeExpr
options {k=2;} // prevent full LL(*), which fails, falling back on k=1; need k=2
:{Compiler.funcs.containsKey(input.LT(1).getText())}? // predefined function
ID '(' expr? ')'-> ^(EXEC_FUNC ID expr?)
|'super' '.' ID '(' args')'-> ^(INCLUDE_SUPER ID args?)
|ID '(' args ')'- > ^(INCLUDE ID args?)
|'@' 'super' '.' ID '(' rp=')'-> ^(INCLUDE_SUPER_REGION ID)
|'@' ID '(' rp=')'-> ^(INCLUDE_REGION ID)
|primary
;

primary
:ID
|STRING
|FALSE
|subtemplate
|list
|[$conditional.size()>0]? => ('! conditional ')
|[$conditional.size()==0]? => lp=(' expr ')
|(' argExprList ? ') -> ^(INCLUDE_IND[$lp] expr argExprList?)
|-> ^(TO_STR[$lp] expr)
)
;

args:argExprList
|namedArg ( ',' namedArg )* ('...')? -> namedArg+ '...'
| '...'
|'
|;

argExprList: arg ( ',' arg )* -> arg+;

arg : exprNoComma;

namedArg : ID '=' arg -> ^( '=' ID arg )
;

list:{input.LA(2)==RBRACK}? // hush warning; [] special case
lb='[' ']' -> LIST[lb]
|lbe='[' listElement ( ',' listElement )* ']') -> ^(LIST[lb] listElement*)
;
listElement : exprNoComma | -> NULL ;

Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-
jar/org/stringtemplate/v4/compiler/STParser.g

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*/

tree grammar CodeGenerator;

options {
  language=Java;
  tokenVocab=STParser;
  ASTLabelType=CommonTree;
}

@header {
/*
 */
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*/
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;

@members {
    String outermostTemplateName; // name of overall template
    CompiledST outermostImpl;
    Token templateToken; // overall template token
    String template; // overall template text
    ErrorManager errMgr;

    public CodeGenerator(TreeNodeStream input, ErrorManager errMgr, String name, String template, Token templateToken) {
        this(input, new RecognizerSharedState());
        this.errMgr = errMgr;
        this.outermostTemplateName = name;
        this.template = template;
        this.templateToken = templateToken;
    }

    // convience funcs to hide offensive sending of emit messages to
    // CompilationState temp data object.

    public void emit1(CommonTree opAST, short opcode, int arg) {
        $template::state.emit1(opAST, opcode, arg);
    }
}
public void emit1(CommonTree opAST, short opcode, String arg) {
    $template::state.emit1(opAST, opcode, arg);
}

public void emit2(CommonTree opAST, short opcode, int arg, int arg2) {
    $template::state.emit2(opAST, opcode, arg, arg2);
}

public void emit2(CommonTree opAST, short opcode, String s, int arg2) {
    $template::state.emit2(opAST, opcode, s, arg2);
}

public void emit(CommonTree opAST, short opcode) {
    $template::state.emit(opAST, opcode);
}

public void insert(int addr, short opcode, String s) {
    $template::state.insert(addr, opcode, s);
}

public void setOption(CommonTree id) {
    $template::state.setOption(id);
}

public void write(int addr, short value) {
    $template::state.write(addr,value);
}

public int address() { return $template::state.ip; }

public void func(CommonTree id) { $template::state.func(templateToken, id); }

public void refAttr(CommonTree id) { $template::state.refAttr(templateToken, id); }

public int defineString(String s) { return $template::state.defineString(s); }

templateAndEOF : template[null,null] EOF; // hush warning; ignore

template[String name, List<FormalArgument> args] returns [CompiledST impl] scope {
    CompilationState state; // automatically get a new state pointer per invocation
}

@init {
    $template::state = new CompilationState(errMgr, name, input.getTokenStream());
    $impl = $template::state.impl;
    if ( $template.size() == 1 ) outermostImpl = $impl;
    $impl.defineFormalArgs($args); // make sure args are defined prior to compilation
    if ( name!=null && name.startsWith(Compiler.SUBTEMPLATE_PREFIX) ) {
        $impl.addArg(new FormalArgument("i"));
        $impl.addArg(new FormalArgument("i0"));
    }
    $impl.template = template; // always forget the entire template; char indexes are relative to it
}

:chunk
    { // finish off the CompiledST result
        if ( $template::state.stringtable!=null ) $impl.strings = $template::state.stringtable.toArray();
    }


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$impl.codeSize = $template::state.ip;
;
chunk
element*
;

element
:^\((INDENTED_EXPR INDENT compoundElement[$INDENT]) // ignore indent in front of IF and region blocks
[compoundElement[null]
[^\(INDENTED_EXPR INDENT \{\$template::state.indent($INDENT);\} singleElement
{\$template::state.emit(Bytecode.INSTR_DEDENT);}]\)
[singleElement
;

singleElement
:|exprElement
|TEXT
{| if ( $TEXT.text.length()>0 ) {
emit1($TEXT,Bytecode.INSTR_WRITE_STR, $TEXT.text);
}
}

|NEWLINE {emit($NEWLINE, Bytecode.INSTR_NEWLINE);}
;

compoundElement[CommonTree indent]
 :|fstat[indent]
 |region[indent]
 ;

exprElement
@init { short op = Bytecode.INSTR_WRITE; }
:^\( EXPR expr (exprOptions {op=Bytecode.INSTR_WRITE_OPT;})? )? 
{
/*
CompilationState state = $template::state;
CompiledST impl = state.impl;
if ( impl.instrs[state.ip-1] == Bytecode.INSTR_LOAD_LOCAL ) {
impl.instrs[state.ip-1] = Bytecode.INSTR_WRITE_LOCAL;
} else {
emit($EXPR, op);
}
*/
emit($EXPR, op);
region[CommonTree indent] returns [String name]
    @init {
        if ( indent!=null ) $template::state.indent(indent);
    }
    @after {
        if ( indent!=null ) $template::state.emit(Bytecode.INSTR_DEDENT);
    }

:^{REGION ID
    ${name = STGroup.getMangledRegionName(outermostTemplateName, $ID.text);}
    template[$name,null]
    {
        CompiledST sub = $template.impl;
        sub.isRegion = true;
        sub.regionDefType = ST.RegionType.EMBEDDED;
        sub.templateDefStartToken = $ID.token;
        //sub.dump();
        outermostImpl.addImplicitlyDefinedTemplate(sub);
        emit2($start, Bytecode.INSTR_NEW, $region.name, 0);
        emit($start, Bytecode.INSTR_WRITE);
    }
}

subtemplate returns [String name, int nargs]
    @init {
        $name = Compiler.getNewSubtemplateName();
        List<FormalArgument> args = new ArrayList<FormalArgument>();
    }

:^{SUBTEMPLATE
    (^{ARGS (ID {args.add(new FormalArgument($ID.text));})+})*$
    {$nargs = args.size();}
    template[$name,args]
    {
        CompiledST sub = $template.impl;
        sub.isAnonSubtemplate = true;
        sub.templateDefStartToken = $$SUBTEMPLATE.token;
        sub.ast = $$SUBTEMPLATE;
        sub.ast.setUnknownTokenBoundaries();
        sub.tokens = input.getTokenStream();
        //sub.dump();
        outermostImpl.addImplicitlyDefinedTemplate(sub);
    }
}

;
CompiledST sub = new CompiledST();
sub.name = $name;
sub.template = "";
sub.addArg(new FormalArgument("i"));
sub.addArg(new FormalArgument("i0"));
sub.isAnonSubtemplate = true;
    sub.templateDefStartToken = $SUBTEMPLATE.token;
    sub.ast = $SUBTEMPLATE;
    sub.ast.setUnknownTokenBoundaries();
    sub.tokens = input.getTokenStream();
//sub.dump();
outermostImpl.addImplicitlyDefinedTemplate(sub);
}
;

ifstat[CommonTree indent]
@init {
    /** Tracks address of branch operand (in code block). It's how
     * we backpatch forward references when generating code for IFs.
     */
    int prevBranchOperand = -1;
    /** Branch instruction operands that are forward refs to end of IF.
     * We need to update them once we see the endif.
     */
    List<Integer> endRefs = new ArrayList<Integer>();
    if ( indent!=null ) $template::state.indent(indent);
} @after {
    if ( indent!=null ) $template::state.emit(Bytecode.INSTR_DEDENT);
}
:i='if' conditional
{
    prevBranchOperand = address()+1;
    emit1($i,Bytecode.INSTR_BRF, -1); // write placeholder as branch target
}
chunk
(eif='elseif'
{
    endRefs.add(address()+1);
    emit1($eif,Bytecode.INSTR_BR, -1); // br end
    // update previous branch instruction
    write(prevBranchOperand, (short)address());
    prevBranchOperand = -1;
}
ec=conditional
{
    prevBranchOperand = address()+1;
    // write placeholder as branch target
emit1($sec.start, Bytecode.INSTR_BRF, -1);
}
chunk
)
)*
(*el='else'
{
endRefs.add(address() + 1);
emit1($el, Bytecode.INSTR_BR, -1); // br end
// update previous branch instruction
write(prevBranchOperand, (short)address());
prevBranchOperand = -1;
}
chunk
)
)?
)
if ( prevBranchOperand>=0 ) {
write(prevBranchOperand, (short)address());
}
for (int opnd : endRefs) write(opnd, (short)address());
}
;

conditional
:^((OR conditional conditional){emit($OR, Bytecode.INSTR_OR,);}
[^((AND conditional conditional){emit($AND, Bytecode.INSTR_AND,);}
[^((BANG conditional){emit($BANG, Bytecode.INSTR_NOT,);}
|expr // not all expr are valid, but reuse code gen (parser restricts syntax)
;

exprOptions : {emit($start, Bytecode.INSTR_OPTIONS,); }^(OPTIONS option*);

option : ^(('=' ID expr) {setOption($ID,);} ;

expr
@init {int nt = 0, ne = 0;}
:^((ZIP ^((ELEMENTS (expr {ne++;})+) mapTemplateRef[ne]))
{emit($ZIP, Bytecode.INSTR ZIP_MAP, ne,);}
[^((MAP expr (mapTemplateRef[1] {nt++;})+)
{
if ( nt>1 ) emit1($MAP, nt>1?Bytecode.INSTR_ROT_MAP:Bytecode.INSTR_MAP, nt);
else emit($MAP, Bytecode.INSTR_MAP,)
}
|prop
|includeExpr
;
prop:\(\text{PROP expr ID}\)\{emit1($PROP, Bytecode.INSTR_LOAD_PROP, $ID.text);\}  
\(\text{PROP IND expr expr}\)\{emit($PROP_IND, Bytecode.INSTR_LOAD_PROP_IND);\}  
;
mapTemplateRef[int num_exprs]  
\(\text{INCLUDE ID}\)  
{for (int i=1; i<=$num_exprs; i++) emit($INCLUDE,Bytecode.INSTR_NULL);}  
args)  
{|subtemplate}  
{if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);  
if ( $args.namedArgs ) emit1($INCLUDE, Bytecode.INSTR_NEW_BOX_ARGS, $ID.text);  
else emit2($INCLUDE, Bytecode.INSTR_NEW, $ID.text, $args.n+$num_exprs);  
}  
[INCLUDE_IND expr]  
{emit($INCLUDE_IND,Bytecode.INSTR_TOSTR);  
for (int i=1; i<=$num_exprs; i++) emit($INCLUDE_IND,Bytecode.INSTR_NULL);}  
args}  
{|includeExpr}  
\(\text{EXEC FUNC ID expr?}\)\{func($ID);\}  
\(\text{INCLUDE ID args}\)  
{|if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);  
if ( $args.namedArgs ) emit1($INCLUDE, Bytecode.INSTR_NEW_BOX_ARGS, $ID.text);  
else emit2($INCLUDE, Bytecode.INSTR_NEW, $ID.text, $args.n);  
}  
\(\text{INCLUDE_SUPER ID args}\)
if ( $args.passThru ) emit1($start, Bytecode.INSTR_PASSTHRU, $ID.text);
if ( $args.namedArgs ) emit1($INCLUDE_SUPER, Bytecode.INSTR_SUPER_NEW_BOX_ARGS, $ID.text);
else emit2($INCLUDE_SUPER, Bytecode.INSTR_SUPER_NEW, $ID.text, $args.n);
}  
^(INCLUDE_REGION ID){
  CompiledST impl =
  Compiler.defineBlankRegion(outermostImpl, $ID.token);
  //impl.dump();
  emit2($INCLUDE_REGION,Bytecode.INSTR_NEW,impl.name,0);
}  
^(INCLUDE_SUPER_REGION ID){
  String mangled =
  STGroup.getMangledRegionName(outermostImpl.name, $ID.text);
  emit2($INCLUDE_SUPER_REGION,Bytecode.INSTR_SUPER_NEW,mangled,0);
}

primary
:
| ID |
| STRING |
| TRUE |
| FALSE |
| subtemplate |
| list |

primary
:
| ID |
| STRING |
| TRUE |
| FALSE |
| subtemplate |
| list |
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*/
grammar Group;

options {
  language=Java;
}

tokens {
  TRUE='true'; FALSE='false'; LBRACK='['; RBRACK=']';
}

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 */
package org.stringtemplate.v4.compiler;

import java.util.Collections;
import java.util.Map;
import java.util.HashMap;
import java.util.List;
import java.util.ArrayList;
import org.stringtemplate.v4.misc.*;
import org.stringtemplate.v4.*;
import java.io.File;
}

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*/
package org.stringtemplate.v4.compiler;
import org.stringtemplate.v4.*;
import org.stringtemplate.v4.misc.*;
import java.io.File;
}
@members {
public STGroup group;
@Override
public void displayRecognitionError(String[] tokenNames,
RecognitionException e)
{
String msg = getErrorMessage(e, tokenNames);
group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}
@Override
public String getSourceName() {
String fullFileName = super.getSourceName();
File f = new File(fullFileName); // strip to simple name
return f.getName();
}
public void error(String msg) {
NoViableAltException e = new NoViableAltException("", 0, 0, input);
group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
recover(input, null);
}
}

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@lexer::members {
    public STGroup group;
}

@Override
public void reportError(RecognitionException e) {
    String msg = null;
    if ( e instanceof NoViableAltException ) {
        msg = "invalid character "+(char)input.LA(1)+"";
    }
    else if ( e instanceof MismatchedTokenException && ((MismatchedTokenException)e).expecting=="" ) {
        msg = "unterminated string";
    }
    else {
        msg = getErrorMessage(e, getTokenNames());
    }
    group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
}

@Override
public String getSourceName() {
    String fullFileName = super.getSourceName();
    File f = new File(fullFileName); // strip to simple name
    return f.getName();
}

@init {
    GroupLexer lexer = (GroupLexer)input.getTokenSource();
    this.group = lexer.group = $group;
}

:oldStyleHeader?
delimiters?
    ('import' STRING {group.importTemplates($STRING);})
    [import] // common error: name not in string
    {MismatchedTokenException e = new MismatchedTokenException(STRING, input);
    reportError(e);
    }
    ID (.' ID)* // might be a.b.c.d
    )* 
def[+prefix]*
    EOF

: oldStyleHeader // ignore but lets us use this parser in AW for both v3 and v4
    : 'group' ID (.' ID )?
    ( ['implements' ID (.' ID)* ]? )?
    ('.
groupName returns [String name]
@init {StringBuilder buf = new StringBuilder();}
:a=ID {buf.append($a.text);} ('.' a=ID {buf.append($a.text);})* 

delimiter

: 'delimiters' a=STRING ',' b=STRING 
{ 
group.delimiterStartChar=$a.getText().charAt(1); 
group.delimiterStopChar=$b.getText().charAt(1); 
} 

/** Match template and dictionary defs outside of (...)+ loop in group.
 * The key is catching while still in the loop; must keep prediction of
 * elements separate from "stay in loop" prediction.
 */
def[String prefix] : templateDef[prefix] | dictDef ;
catch[RecognitionException re] { 
// pretend we already saw an error here
state.lastErrorIndex = input.index(); 
error("garbled template definition starting at "+input.LT(1).getText()+"=");
}
templateDef[String prefix]
@init {
    String template=null; 
    int n=0; // num char to strip from left, right of template def 
}
:a=('@' enclosing=ID '.' name=ID '(' ')'
[name=ID (' formalArgs ')']

',='
{Token templateToken = input.LT(1);}
STRING   {template=$STRING.text; n=1;}
BIGSTRING  {template=$BIGSTRING.text; n=2;}
BIGSTRING_NO_NL  {template=$BIGSTRING_NO_NL.text; n=2;}
{" 
    template = "";
String msg = "missing template at "+input.LT(1).getText()+"=";
    NoViableAltException e = new NoViableAltException("", 0, 0, input);
    group.errMgr.groupSyntaxError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
} 

if ( $name.index >= 0 ) { // if ID missing
template = Misc.strip(template, n);
String templateName = $name.text;
if (prefix.length()>0) templateName = prefix+$name.text;
String enclosingTemplateName = $enclosing.text;
if (enclosingTemplateName != null && enclosingTemplateName.length()>0 && prefix.length()>0) {
  enclosingTemplateName = prefix + enclosingTemplateName;
}
group.defineTemplateOrRegion(templateName, enclosingTemplateName, templateToken,
  template, $name, $formalArgs.args);
}
}
| alias=ID '::=' target=ID  {group.defineTemplateAlias($alias, $target);}
;

formalArgs returns[List<FormalArgument> args = new ArrayList<FormalArgument>()]
scope {
boolean hasOptionalParameter;
}
@init { $formalArgs::hasOptionalParameter = false; }
:formalArg[$args] (',' formalArg[$args])* |

formalArg[List<FormalArgument> args]
:ID
(' '=' a=(STRING|ANONYMOUS_TEMPLATE|true|false) {$formalArgs::hasOptionalParameter = true;} |
| '=' a='[ ' ]' {$formalArgs::hasOptionalParameter = true;}
|[{if ($formalArgs::hasOptionalParameter) {
  group.errMgr.compileTimeError(ErrorType.REQUIRED_PARAMETER_AFTER_OPTIONAL,
    null, $ID);
}
}

{$args.add(new FormalArgument($ID.text, $a));}
;

/*
suffix returns [int cardinality=FormalArgument.REQUIRED]
  : OPTIONAL
  | STAR
  | PLUS
  |
  */
dictDef
:ID '::=' dict


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```java
{
    if ( group.rawGetDictionary($ID.text)!=null ) {
        group.errMgr.compileTimeError(ErrorType.MAP_REDEFINITION, null, $ID);
    } else if ( group.rawGetTemplate($ID.text)!=null ) {
        group.errMgr.compileTimeError(ErrorType.TEMPLATE_REDEFINITION_AS_MAP, null, $ID);
    } else {
        group.defineDictionary($ID.text, $dict.mapping);
    }
}

dict returns [Map<String,Object> mapping]
@init {mapping=new HashMap<String,Object>();}
: `[ dictPairs[mapping] ]`

dictPairs[Map<String,Object> mapping]
:keyValuePair[mapping]
    (',', keyValuePair[mapping])* (',', defaultValuePair[mapping])?
    [defaultValuePair[mapping]
    ;
    catch[RecognitionException re] {
        error("missing dictionary entry at "+input.LT(1).getText()+"."");
    }

defaultValuePair[Map<String,Object> mapping]
:'default' ':' keyValue {mapping.put(STGroup.DEFAULT_KEY, $keyValue.value);}
;

keyValuePair[Map<String,Object> mapping]
:STRING ':' keyValue {mapping.put(Misc.replaceEscapes(Misc.strip($STRING.text, 1)), $keyValue.value);}
;

keyValue returns [Object value]
:BIGSTRING[$value = group.createSingleton($BIGSTRING);]
[BIGSTRING_NO_NL[$value = group.createSingleton($BIGSTRING_NO_NL);]
[ANONYMOUS_TEMPLATE[$value = group.createSingleton($ANONYMOUS_TEMPLATE);]
[STRING[$value = Misc.replaceEscapes(Misc.strip($STRING.text, 1));]
[TRUE[$value = true;]
[FALSE[$value = false;]
['''][$value = Collections.emptyList();]
[[input.LT(1).getText().equals("key")]-> ID
    [$value = STGroup.DICT_KEY;]
    ;
    catch[RecognitionException re] {
        error("missing value for key at "+input.LT(1).getText()+"."");
    ]
```

---

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ID: (’a’..’z’|’A’..’Z’|’_’) (’a’..’z’|’A’..’Z’|’0’..’9’|’-’|’_’)*
;

STRING
::=
(" "
|"\""
|[
String msg = "\n in string";
    NoViableAltException e = new NoViableAltException("", 0, 0, input);
group.errMgr.groupLexerError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
} 
'\n' |-("\""|'\n')
)*
...
...
String txt = getText().replaceAll("\n\n","\n");
setText(txt);
}
;

BIGSTRING_NO_NL // same as BIGSTRING but means ignore newlines later
::=%<> ( . )* '%>
    // %>% is the escape to avoid end of string
{
    String txt = getText().replaceAll("%\%>%","%>%");
    setText(txt);
}
;

/** Match <<...>> but also allow <<..<x>>>> so we can have tag on end.
   Escapes: >> means >> inside of <<...,>>.
   Escapes: \>> means >> inside of <<...>> unless at end like <<...\>>>.
   In that case, use <<..>>%> instead.
*/
BIGSTRING
::=<<
(options {greedy=false;}
::=" " // \ escape
|"\~" // allow this but don't collapse in action
|"\n"
)*

'>>'
{
    String txt = getText();
txt = Misc.replaceEscapedRightAngle(txt); // replace \> with > unless <\>
setText(txt);
;

ANONYMOUS_TEMPLATE
	:{
	Token templateToken = new CommonToken(input, ANONYMOUS_TEMPLATE, 0, getCharIndex(),
getCharIndex());
STLexer lexer =
new STLexer(group.errMgr, input, templateToken, group.delimiterStartChar, group.delimiterStopChar);
lexer.subtemplateDepth = 1;
Token t = lexer.nextToken();
while ( lexer.subtemplateDepth>1 || t.getType()!=STLexer.RCURLY ) {
if ( t.getType()==STLexer.EOF_TYPE ) {
    MismatchedTokenException e = new MismatchedTokenException('}', input);
    String msg = "missing final '}' in {...} anonymous template";
    group.errMgr.groupLexerError(ErrorType.SYNTAX_ERROR, getSourceName(), e, msg);
    break;
}
t = lexer.nextToken();
}
// don't match '}' here; our little {...} scanner loop matches it
// to terminate.
;
COMMENT
	:///* ( options {greedy=false;} : . )* */ {skip();}
;
LINE_COMMENT
	:// ~\(\n'|\r')* \r? \n' {skip();}
;
WS :(', \r'|\t'|\n') {skip();}
;
Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/Group.g
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*/

Found in path(s):
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/gui/JTreeASTModel.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/gui/JTreeSTModel.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/debug/InterpEvent.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/STGroupCompiletimeMessage.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/BytecodeDisassembler.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/compiler/CompilationState.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/mis ModelAdaptor.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/Misc.java
* /opt/cola/permits/1110745825_1606848362.54/0/st4-4-0-8-sources-1-jar/org/stringtemplate/v4/misc/STLexerMessage.java
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

The following artifacts are ASL2 licensed.

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

------

MortBay

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1025 snappy-java 1.1.7.2

1.1026 bean-validation-api 2.0.1
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1.1030 lz4-java 1.6.0

1.1031 pcre 8.39 3
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Written by: Philip Hazel
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1.1042 go-resiliency 1.2.0

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1.1043 xmlsec-java 1.4.2

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1.1045 jbcrypt 0.4

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1.1050 zlib 1.2.8

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<one line to give the program's name and a brief idea of what it does.>
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when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19xx name of author
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under certain conditions; type `show c' for details.

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program `Gnomovision' (a program to direct compilers to make passes
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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<one line to give the program's name and a brief idea of what it does.>
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The End
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other: else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}
done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\d{4,}/s
    or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\d{4,}/i
    or die "Copyright statement not found in perl -v output '$output'";

    $year;
}

--------------------------------------------------------------------------

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

---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>''
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-
build@perl.org>.,"
built_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
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  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
1.1054 x-text 0.3.0

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1.1055 spring-test 5.1.6

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1.1056 libassuan 2.4.3-2

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- Upstream-Name: libassuan
- Upstream-Contact: Werner Koch <wk@gnupg.org>

Files:
- * Makefile.am
- src/assuan-buffer.c
- src/assuan-error.c
- src/assuan-inquire.c
- src/assuan-io.c
- src/assuan-listen.c
- src/assuan-pipe-server.c
- src/assuan-socket-connect.c
- src/assuan-socket-server.c
- src/assuan-socket.c
- src/assuan-uds.c
- src/client.c
- src/context.c
- src/funopen.c
- src/memrchr.c
- src/posix-fd-t.inc.h
- src/posix-includes.inc.h
- src/posix-sock-nonce.inc.h
- src/posix-sys-pth-impl.h
- src/posix-types.inc.h
- src/putc_unlocked.c
- src/server.c
- src/setenv.c
- src/stpcpy.c
- src/system-posix.c
- src/system-w32.c
- src/system-w32ce.c
- src/system.c
- src/w32-fd-t.inc.h
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* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/AbstractEventLoop.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/ChannelFactory.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/embedded/EmbeddedChannelId.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/PendingWriteQueue.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/ReflectiveChannelFactory.java

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* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/pool/Package-info.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/pool/ReflectiveChannelPool.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/pool/ChannelHealthChecker.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/pool/ChannelPoolMap.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java

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  jar/io/netty/bootstrap/BootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
  jar/io/netty/channel/WriteBufferWaterMark.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
  jar/io/netty/bootstrap/AbstractBootstrapConfig.java
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  jar/io/netty/channel/group/VoidChannelGroupFuture.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
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  jar/io/netty/channel/socket/DuplexChannel.java
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  jar/io/netty/channel/PreferHeapByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
  jar/io/netty/channel/SelectStrategyFactory.java
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  jar/io/netty/channel/DefaultSelectStrategyFactory.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
jar/io/netty/channel/socket/ChannelOutputShutdownException.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
jar/io/netty/channel/socket/SelectedSelectionKeySetSelector.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/CompleteChannelFuture.java
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* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/ChannelOutboundBuffer.java
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* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/nio/SelectedSelectionKeySet.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/AddressedEnvelope.java
* /opt/ws_local/PERMITS_SQL/1068412432_1594397775.14/0/netty-transport-4-1-48-final-sources-1-jar/io/netty/channel/DefaultChannelProgressivePromise.java
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*/
/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its { @link ChannelPipeline}. *

*  <h3>Sub-types</h3>
*  <p>
*  { @link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
* subtypes:
*  <ul>
*  <li> { @link ChannelInboundHandler} to handle inbound I/O events, and</li>
*  <li> { @link ChannelOutboundHandler} to handle outbound I/O operations.</li>
*  </ul>
*  </p>
*  <p>
*  Alternatively, the following adapter classes are provided for your convenience:
*  <ul>
*  <li> { @link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
*  <li> { @link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
*  <li> { @link ChannelDuplexHandler} to handle both inbound and outbound events</li>
*  </ul>
*  </p>
*  <p>
*  For more information, please refer to the documentation of each subtype.
*  </p>

*  <h3>The context object</h3>
*  <p>
*  A { @link ChannelHandler} is provided with a { @link ChannelHandlerContext} object. A { @link ChannelHandler} is supposed to interact with the
*  { @link ChannelPipeline} it belongs to via a context object. Using the
* context object, the { @link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using { @link AttributeKey} s) which is specific to the handler.
*  </p>

*  <h3>State management</h3>
*  
*  A { @link ChannelHandler} often needs to store some stateful information.
*  The simplest and recommended approach is to use member variables:
*  <pre>
*  public interface Message {
*      // your methods here
*  }
*  </pre>
*  public class DataServerHandler extends { @link SimpleChannelInboundHandler}&lt;Message&gt; {
* private boolean loggedIn;
*     {
*         @code @Override
*         public void channelRead0(@link ChannelHandlerContext) ctx, Message message) {
*             if (message instanceof LoginMessage) {
*                 authenticate((LoginMessage) message);
*                 loggedIn = true;
*             } else (message instanceof GetDataMessage) {
*                 if (loggedIn) {
*                     ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*                 } else {
*                     fail();
*                 }
*             }
*         }
*     }
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where a unauthenticated client can get
* the confidential information:
* 
* // Create a new handler instance per channel.
* // See @link ChannelInitializer#initChannel(Channel).
* public class DataServerInitializer extends @link ChannelInitializer}@link Channel] {
*     {
*         @code @Override
*         public void initChannel(@link Channel) channel) {
*             channel.pipeline().addLast("handler", new DataServerHandler());
*         }
*     }
* </pre>
* 
* Using @link AttributeKey)s
* 
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use @link AttributeKey)s which is provided by
* @link ChannelHandlerContext:
* 
* public interface Message {
*     // your methods here
* }
* 
* @code @Sharable
* public class DataServerHandler extends @link SimpleChannelInboundHandler}@link Message]
* private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*     { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
* 
*     private final { @code @Override}
*     public void channelRead({ @link ChannelHandlerContext} ctx, Message message) {
*         { @link Attribute}&lt;{ @link Boolean}&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             {b}&lt;@code attr.set(true)&gt;{b};
*         } else (message instanceof GetDataMessage) {
*             if ({b}&lt;@code Boolean.TRUE.equals(attr.get())&gt;{b}) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else { 
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
* Now that the state of the handler is attached to the { @link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* </pre>
* public class DataServerInitializer extends { @link ChannelInitializer}&lt;{ @link Channel}&gt; { 
*     private static final DataServerHandler &lt;b&gt;SHARED&lt;/b&gt; = new DataServerHandler();
* 
*     { @code @Override}
*     public void initChannel({ @link Channel} channel) {
*         channel.pipeline().addLast("handler", &lt;b&gt;SHARED&lt;/b&gt;;
*     }
* }
* </pre>
* The { @code @Sharable} annotation</h4>
* In the example above which used an { @link AttributeKey},
* you might have noticed the { @code @Sharable} annotation.
* 
* If a { @link ChannelHandlerContext} is annotated with the { @code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more { @link ChannelPipeline}s multiple times without
* a race condition.
* 
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
1.1058 iproute 5.9.0

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    jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java
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    jar/io/netty/buffer/PooledSlicedByteBuf.java
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    jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java
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    jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
  * /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
    jar/io/netty/buffer/PoolChunk.java
  * /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
    jar/io/netty/buffer/ByteBufUtil.java
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    jar/io/netty/buffer/PoolChunkList.java
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    jar/io/netty/buffer/PoolChunkList.java
  * /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-
    jar/io/netty/buffer/Unpooled.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/PoolChunkMetric.java
* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/UnpooledSlicedByteBuf.java
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* /opt/cola/permits/1110676930_1606843883.95/0/netty-buffer-4-1-32-final-sources-2-jar/io/netty/buffer/PoolChunkListMetric.java
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1.1066 mergo 1.13.1-94.gitb2f74b2.el7.centos

1.1066.1 Available under license:

import: ../../../../fossene/db/schema/thing.yml

fields:
  site: string
  author: root

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1.1067 talloc 2.1.16 1.el7
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/*
Unix SMB/CIFS implementation.
Samba temporary memory allocation functions

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1.1068 errors 0.8.1

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1.1069 openjdk 11.0.9.1+1-1~deb10u2

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Description: Makes the generated copyright headers reproducible
Author: Emmanuel Bourg <ebourg@apache.org>
Forwarded: no

--- a/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
+++ b/make/jdk/src/classes/build/tools/cldrconverter/CopyrightHeaders.java
@@ -26,6 +26,7 @@
         package build.tools.cldrconverter;
         import java.util.Calendar;
         +import java.util.Date;
         import java.util.GregorianCalendar;
         import java.util.Locale;
         import java.util.TimeZone;
@@ -150,8 +151,14 @@
     }
     
     private static int getYear() {
-         return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
-                                         Locale.US).get(Calendar.YEAR);
+         Date date = new Date();
+         if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+             date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+         }
+     }
+     
+     GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+     calendar.set(Calendar.YEAR, getYear());
+     return calendar.get(Calendar.YEAR);
     }

    // no instantiation

--- a/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
+++ b/make/jdk/src/classes/build/tools/generatelsrequivmaps/EquivMapsGenerator.java
@@ -33,9 +33,13 @@
         import java.time.ZoneId;
         import java.time.ZonedDateTime;
         import java.util.ArrayList;
         +import java.util.Calendar;
         +import java.util.Date;
         import java.util.List;
         import java.util.Map;
         import java.util.Set;
         import java.util.TreeMap;
         +import java.util.TreeSet;
         +import java.util.concurrent.ConcurrentHashMap;
         +import java.util.concurrent.CopyOnWriteArrayList;
         +import java.util.concurrent.CopyOnWriteArraySet;
         +import java.util.concurrent.atomic.AtomicBoolean;
         +import java.util.concurrent.locks.Lock;
         +import java.util.concurrent.locks.ReentrantLock;
         +import java.util.stream.Collectors;
         
        // no instantiation
import java.util.GregorianCalendar;
import java.util.List;
import java.util.Locale;
import java.util.Map;
import java.util.TimeZone;
import java.util.TreeMap;

/**
@@ -225,8 +229,15 @@
             + "}"
         private static String getOpenJDKCopyright() {
-        int year = ZonedDateTime.now(ZoneId.of("America/Los_Angeles")).getYear();
+        Date date = new Date();
+        if (System.getenv("SOURCE_DATE_EPOCH") != null) {
+            date = new Date(1000 * Long.valueOf(System.getenv("SOURCE_DATE_EPOCH")));
+        }
+        GregorianCalendar calendar = new GregorianCalendar(TimeZone.getTimeZone("UTC"), Locale.ENGLISH);
+        calendar.setTime(date);
+        int year = calendar.get(Calendar.YEAR);
             return String.format(Locale.US, COPYRIGHT, year);
         }

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It was downloaded from
https://hg.openjdk.java.net/jdk-updates/jdk11u/

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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.

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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. A program that contains no derivative of any portion of the
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contains portions of the Library), rather than a "work that uses the
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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
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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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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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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Accompany the work with the complete corresponding
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@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.

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@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

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```
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```
'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!
(This file is under construction.)

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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1.1083 security-provider 1.64
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1.1084 lz4 1.7.0

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package spec

// License information for the exposed API.
//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
}

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Protocol Buffers for Go with Gadgets

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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1.1102 opensaml-storage-impl 3.3.0

1.1103 mitchellh-cli 1.0.0

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PCRE is a library of functions to support regular expressions whose syntax 
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This is JavaScriptCore's variant of the PCRE library. While this library 
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1.1114 kr-fs v0.0.0-20131111012553

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1.1115 d-bus 1.12.20-0+deb10u1

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Julian Seward, Cambridge, UK.
jseward@bzip.org
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**1.1117 jetty-http 9.4.18.v20190429**

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

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

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

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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org.ow2.asm:asm-commons
org.ow2.asm:asm

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

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

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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1.1118 eclipse-equinox-registry 3.5.101
pkg-sftp

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1.1121 pycurl 7.43.0.2 0.1

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Eclipse

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

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

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

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The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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 */

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)
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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57c721e38d1266c2df055067c18f2cf9 bsd.img

---layout-------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
  __ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Create 2st primary partition
1beb87248e05d6e4e626749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbd bsd.img

---layout--------
  __ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):
-------------------
b5c121c2091b2ff26b880551feac7112 bsd.img
---layout--------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fsize bsize cpg]
a: 4096 6144 2049 4.2BSD 0 0 0
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):
-------------------
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0 unused 5 4.1BSD 9 4.4LFS d boot
1 swap 6 Eighth Edition a unknown e ADOS
2 Version 6 7 4.2BSD b HPFS f HFS
1.1126 base-files 10.3+deb10u4

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Source code for a work means the preferred form of the work for making modifications to it. For an executable file, complete source code means all the source code for all modules it contains; but, as a special exception, it need not include source code for modules which are standard
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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

<one line to give the program's name and a brief idea of what it does.>
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Gnomovision 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
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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 program, if
necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

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

That's all there is to it!

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

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a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the
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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:

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

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[This is the first released version of the library GPL. It is
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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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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.

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1.1132 netbsd-resolv 2.24

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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codecs/EmptyHeaders.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codecs/DefaultHeaders.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codecs/Headers.java

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    jar/io/netty/handler/codec/xml/XmlFrameDecoder.java
  * /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
    jar/io/netty/handler/codec/compression/Crc32c.java
  * /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
    jar/io/netty/handler/codec/compression/JdkZlibDecoder.java

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    jar/io/netty/handler/codec/CodecOutputList.java
  * /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
    jar/io/netty/handler/codec/DateFormatter.java
  * /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
    jar/io/netty/handler/codec/CompressionUtil.java
  * /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
    jar/io/netty/handler/codec/DatagramPacketEncoder.java
  * /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
    jar/io/netty/handler/codec/LineSeparator.java

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/**
 * Utility class for @link ByteBuf} that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 *<p>
 * The encoding and decoding algorithm in this class has been derived from
 * <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
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/*
 * A decoder that splits the received ByteBuf's dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 *
 * @link LengthFieldBasedFrameDecoder has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in

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* proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*
* <h3>2 bytes length field at offset 0, do not strip header</h3>
*
* The value of the length field in this example is <tt>12 (0x0C)</tt> which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
* <pre>
* <b>lengthFieldOffset</b>   = <b>0</b>
* <b>lengthFieldLength</b>   = <b>2</b>
* <b>lengthAdjustment</b>    = 0
* <b>initialBytesToStrip</b> = 0 (= do not strip header)
* </pre>
*
* BEFORE DECODE (14 bytes)        AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* +--------+----------------+      +--------+----------------+
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* [link ByteBuf#readableBytes()], you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
* </pre>
*
* BEFORE DECODE (14 bytes)        AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* +--------+----------------+      +----------------+
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.

* <pre>
* lengthFieldOffset   =  0
* lengthFieldLength   =  2
* <b>lengthAdjustment</b>    = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip =  0
*
* BEFORE DECODE (14 bytes)         AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>

* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>

* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.

* <pre>
* <b>lengthFieldOffset</b>   = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b>   = <b>3</b>
* lengthAdjustment    = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>

* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.

* <pre>
* lengthFieldOffset   =  0
* lengthFieldLength   =  3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
* </pre>
* BEFORE DECODE (17 bytes)                       AFTER DECODE (17 bytes)
* +-----------------------------------------------+-----------------------------------------------+
* | Length | Header 1 | Actual Content | ----> | Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |      | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +-----------------------------------------------+-----------------------------------------------+
* </pre>

* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +--------+--------+--------+----------------+      +--------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------+--------+--------+----------------+      +--------+----------------+
* </pre>

* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +--------+--------+--------+----------------+      +--------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----> | HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------+--------+--------+----------------+      +--------+----------------+
* </pre>

* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +--------+--------+--------+----------------+      +--------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----> | HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------+--------+--------+----------------+      +--------+----------------+
* </pre>

* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +--------+--------+--------+----------------+      +--------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----> | HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------+--------+--------+----------------+      +--------+----------------+
* </pre>

* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +--------+--------+--------+----------------+      +--------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----> | HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------+--------+--------+----------------+      +--------+----------------+
1.1138 pcre2 10.34-r1

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1.1154 node.js 8.14.0-r0
```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 })
  })
});
```

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```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)
```

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## Use as a JavaScript Library

### Installation

#### Package managers

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

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

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

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

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

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

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// Modifications by Joshua Bell inexorabletash@gmail.com
// https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Krhonos 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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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
);
```

---

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```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'),
  {
    validForOldPackages: true,
    validForNewPackages: true,
    inFile: 'LICENSE.txt'
  }
);

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

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=======================================================================
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1.1155 gobject-introspection 1.58.3 2
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package org.springframework.core;

/**
 * Common interface for managing aliases. Serves as super-interface for
 * {link org.springframework.beans.factory.support.BeanDefinitionRegistry}.
 * @author Juergen Hoeller
 * @since 2.5.2
 */
public interface AliasRegistry {

/**
 * Given a name, register an alias for it.
 * @param name the canonical name
 * @param alias the alias to be registered
 * @throws IllegalStateException if the alias is already in use
 * and may not be overridden
 */
void registerAlias(String name, String alias);

/**
 * Remove the specified alias from this registry.
 * @param alias the alias to remove
 * @throws IllegalStateException if no such alias was found
 */
void removeAlias(String alias);

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 */
* Determine whether this given name is defines as an alias
* (as opposed to the name of an actually registered component).
* @param name the name to check
* @return whether the given name is an alias
*/
boolean isAlias(String name);

/**
 * Return the aliases for the given name, if defined.
 * @param name the name to check for aliases
 * @return the aliases, or an empty array if none
 */
String[] getAliases(String name);

}
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This package provides the rsync program, which is a replacement for rcp that uses the rsync algorithm to transfer only the differences between two sets of files.

This package was put together by Philip Hands <phil@hands.com>, from sources obtained from:
http://rsync.samba.org/ftp/rsync/rsync-2.5.4.tar.gz
The current version was downloaded from:
http://rsync.samba.org/ftp/rsync/src/rsync-3.1.0.tar.gz
on 2013-09-30 by Paul Slootman <paul@debian.org>.

The changes were very minimal - merely adding support for the Debian
package maintenance scheme by adding various debian/* files. The only significant change is passing the -4 / -6 options through to ssh. See the debian/patches/ directory.

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1.1165 go-yaml 3.0
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This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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1.1169 x-sys 0.0.0

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## 1.1170 java-common 0.71

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1.1172 libsemanage 2.6-2

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Manoj Srivastava <srivasta@debian.org>
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1.1173 libcgroup 0.41 21.el7
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* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/utils/OSUtils.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/terminal/impl/jna/linux/CLibrary.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/reader/Reference.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/utils/DiffHelper.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/terminal/impl/package-info.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/reader/Widget.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/reader/package-info.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/reader/impl/UndoTree.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/reader/impl/completer/NullCompleter.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/terminal/spi/Pty.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/utils/package-info.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/utils/ClosedException.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/terminal/impl/EnumCompleter.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/terminal/Attributes.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/keymap/KeyMap.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/terminal/impl/MouseSupport.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/reader/EndOfFileException.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-sources-jar/org/jline/terminal/impl/jna/solaris/SolarisNativePty.java
```

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* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/builtins/ssh/Ssh.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/implementations/jansi/linux/LinuxNativePty.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/builtins/ssh/JansiWinConsoleWriter.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/implementations/jansi/JansiNativePty.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/implementations/jansi/NopStyleSource.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/implementations/jansi/WinConsoleWriter.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/implementations/jansi/InterpolationHelper.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/implementations/jansi/osx/OsXNativePty.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/implementations/jansi/solaris/SolarisNativePty.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/implementations/jansi/freebsd/FreeBSDNativePty.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/builtins/telnet/Telnet.java
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* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/utils/AttributedCharSequence.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/Candidate.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/builtins/ConfigurationPath.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/builtins/Tmux.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/Editor.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/LineReader.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/impl/completer/ArgumentCompleter.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/impl/completer/DefaultHighlighter.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/utils/InfoCmp.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/Highlighter.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/impl/AbstractWindowsTerminal.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/utils/Status.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/impl/completer/StringsCompleter.java

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* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/impl/jansi/win/JansiWinSysTerminal.java
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* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/impl/history/DefaultHistory.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/CompletingParsedLine.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/utils/NonBlockingInputStreamImpl.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/impl/PossixPtyTerminal.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/utils/AttributedStyle.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/style/StyleSource.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/PosixSysTerminal.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/terminal/Size.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/utils/NonBlockingInputStreamImpl.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/impl/history/DefaultHistory.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/impl/PosixPtyTerminal.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/impl/jna/win/Kernel32.java
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/reader/impl/jna/win/Kernel32.java
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auto_left_margin, bw, bw
auto_right_margin, am, am
back_color_erase, bce, ut
can_change, ccc, cc
ceol_standout_glitch, xhp, xs
col_addr_glitch, xhpa, YA
cpi_changes_res, cpix, YF
cr_cancels_micro_mode, crxm, YB
dest_tabs_magic_smso, xt, xt
eat_newline_glitch, xenl, xn
erase_overstrike, eo, eo
generic_type, gn, gn
hard_copy, hc, hc
hard_cursor, chts, HC
has_meta_key, km, km
has_print_wheel, daisy, YC
has_status_line, hs, hs
hue_lightness_saturation, hls, hl
insert_null_glitch, in, in
lpi_changes_res, lpix, YG
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memory_below, db, db
move_insert_mode, mir, mi
move_standout_mode, msgr, ms
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no_esc_ctlc, xsb, xb
no_pad_char, npc, NP
non_dest_scroll_region, ndscr, ND
non_rev_rmcup, nrrmc, NR
over_strike, os, os
ptr_silent, mc5i, 5i
row_addr_glitch, xvpa, YD
semi_auto_right_margin, sam, YE
status_line_esc_ok, eslok, es
tilde_glitch, hz, hz
transparent_underline, ul, ul
xon_xoff, xon, xo
columns, cols, co
init_tabs, it, it
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label_width, lw, lw
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lines_of_memory, lm, lm
magic_cookie_glitch, xmc, sg
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max_colors, colors, Co
max_pairs, pairs, pa
maximum_windows, wnum, MW
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num_labels, nlab, Nl
padding_baud_rate, pb, pb
virtual_terminal, vt, vt
width_status_line, wsl, ws
bit_image_entwining, bitwin, Yo
bit_image_type, bitype, Yp
buffer_capacity, bufsz, Ya
buttons, btns, BT
dot_horz_spacing, spinh, Yc
dot_vert_spacing, spinv, Yb
max_micro_address, maddr, Yd
max_micro_jump, mjump, Ye
micro_col_size, mcs, Yf
micro_line_size, mls, Yg
number_of_pins, npins, Yh
output_res_char, orc, Yi
output_res_horz_inch, orhi, Yk
output_res_line, orl, Yj
output_res_vert_inch, orvi, Yl
print_rate, cps, Ym
wide_char_size, widcs, Yn
acs_chars, acsc, ac
back_tab, cbt, bt
bell, bel, bl
carriage_return, cr, cr
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change_line_pitch, lpi, ZB
change_res_horz, chr, ZC
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clear_margins, mgc, MC
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clr_eol, el, ce
clr_eos, ed, cd
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command_character, cmdch, CC
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cursor_down, cud1, do
cursor_home, home, ho
cursor_invisible, civis, vi
cursor_left, cub1, le
cursor_mem_address, mrcup, CM
cursor_normal, cnorm, ve
cursor_right, cufl, nd
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cursor_up, cuu1, up
cursor_visible, cvvis, vs
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delete_character, dch1, dc
delete_line, dl1, dl
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dis_status_line, dsl, ds
display_clock, dclk, DK
down_half_line, hd, hd
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enter_am_mode, smam, SA
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enter_bold_mode, bold, md
enter_ca_mode, smcup, ti
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enter_subscript_mode, ssubm, ZN
enter_superscript_mode, ssupm, ZO
enter_underline_mode, smul, us
enter_upward_mode, sum, ZP
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flash_screen, flash, vb
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from_status_line, fsl, fs
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hangup, hup, HU
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init_2string, is2, is
init_3string, is3, i3
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init_prog, iprog, ip
initialize_color, inici, Ic
initialize_pair, initp, Ip
insert_character, ich1, ic
insert_line, il1, al
insert_padding, ip, ip
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key_enter, kent, @8
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key_f24, kf24, FE
key_f25, kf25, FF
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key_f27, kf27, FH
key_f28, kf28, FI
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key_f3, kf3, k3
key_f30, kf30, FK
key_f31, kf31, FL
key_f32, kf32, FM
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key_f35, kf35, FP
key_f36, kf36, FQ
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key_f4, kf4, k4
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key_f41, kf41, FV
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key_f44, kf44, FY
key_f45, kf45, FZ
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key_f59, kf59, Fn
key_f6, kf6, k6
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key_f8, kf8, k8
key_f9, kf9, k9
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parm_left_micro, mcub, Zg
parm_right_cursor, cuf, RI
parm_right_micro, mcuf, Zh
parm_rindex, rin, SR
parm_up_cursor, cuu, UP
parm_up_micro, mcuu, Zi
pkey_key, pfkey, pk
pkey_local, pfloc, pl
pkey_xmit, pfX, px
plab_norm, pln, pn
print_screen, mc0, ps
prtr_non, mc5p, pO
prtr_off, mc4, pf
prtr_on, mc5, po
pulse, pulse, PU
quick_dial, qdial, QD
remove_clock, rmclk, RC
repeat_char, rep, rp
req_for_input, rfi, RF
reset_1string, rs1, r1
reset_2string, rs2, r2
reset_3string, rs3, r3
reset_file, rf, rf
restore_cursor, rc, rc
row_address, vpa, cv
save_cursor, sc, sc
scroll_forward, ind, sf
scroll_reverse, ri, sr
select_char_set, scs, Zj
set_attributes, sgr, sa
set_background, setb, Sb
set_bottom_margin, smgb, Zk
set_bottom_margin_parm, smgbp, Zl
set_clock, sclk, SC
set_color_pair, scp, sp
set_foreground, setf, Sf
set_left_margin, smgl, ML
set_left_margin_parm, smglp, Zm
set_right_margin, smgr, MR
set_right_margin_parm, smgrp, Zn
set_tab, hts, st
set_top_margin, smgt, Zo
set_top_margin_parm, smgtp, Zp
set_window, wind, wi
start_bit_image, sbim, Zq
start_char_set_def, scsd, Zr
stop_bit_image, rbim, Zs
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tab, ht, ta
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user0, u0, u0
user1, u1, u1
user2, u2, u2
user3, u3, u3
user4, u4, u4
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bit_image_repeat, birep, Xy
char_set_names, csnm, Zy
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color_names, colornm, Yw
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end_bit_image_region, endbi, Yy
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enter_scancode_mode, smsc, S4
exit_pc_charset_mode, rmpch, S3
exit_scancode_mode, rmsc, S5
get_mouse, getm, Gm
key_mouse, kmous, Km
mouse_info, minfo, Mi
pc_term_options, pctrm, S6
pkey_plab, pfxl, xl
req_mouse_pos, reqmp, RQ
scancode_escape, scesc, S7
set0_des_seq, s0ds, s0
set1_des_seq, s1ds, s1
set2_des_seq, s2ds, s2
set3_des_seq, s3ds, s3
set_a_background, setab, AB
set_a_foreground, setaf, AF
set_color_band, setcolor, Yz
set_lr_margin, smglr, ML
set_page_length, slines, YZ
set_tb_margin, smgtb, MT
enter_horizontal_hl_mode, ehhlm, Xh
enter_left_hl_mode, elhlm, Xl
enter_low_hl_mode, eloilm, Xo
enter_right_hl_mode, erhlm, Xr
enter_top_hl_mode, ethlm, Xt
enter_vertical_hl_mode, evhlm, Xv
set_a_attributes, sgr1, sA
set_pglen_inch, slength, sL

Found in path(s):
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/org/jline/utils/capabilities.txt
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* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/META-INF/maven/org.jline/jline-reader/pom.xml
* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/META-INF/maven/org.jline/jline-remote-ssh/pom.xml
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* /opt/cola/permits/1110421686_1606789043.45/0/jline-3-17-1-sources-jar/META-INF/maven/org.jline/jline/pom.xml
1.1178 file 5.37 r1

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1.1179 super-csv 2.4.0

1.1180 libgpg-error 1.36-r2

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#*TITLE: List of code with permissive licenses as used by GnuPG.
#*STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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

Preamble

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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 a library defeats the purpose of trying to protect the library with a GPL.
Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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source code from the same place satisfies the requirement to
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Library, but is designed to work with the Library by being compiled or
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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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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.

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

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

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

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

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

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

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

e) Verify that the user has already received a copy of these
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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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Version 3.1, 31 March 2009

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

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

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

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
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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
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d) If distribution of the work is made by offering access to copy
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e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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

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

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

@heading TERMS AND CONDITIONS

@enumerate 0
@item Definitions.

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

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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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Major Component, or to implement a Standard Interface for which an
implementation is available to the public in source code form. A
``Major Component'', in this context, means a major essential component
(kernel, window system, and so on) of the specific operating system
(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

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

The Corresponding Source need not include anything that users can
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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:

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@item
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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.

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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.

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@end enumerate

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1.1201 sudo 1.8.23 9.el7

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Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
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Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Juhani, Timo
Kikuchi, Ayamura
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Kopeek, Daniel
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MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
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Michael, David
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Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
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Nieusma, Jeff
Nikitser, Peter A.
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Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
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Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
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1.1209 montanaflynn-stats

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1.1213 netty-handler 4.1.48.Final

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  jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
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  jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
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Go support for Protocol Buffers - Google's data interchange format

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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

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1.1232 pierrec-lz4 2.0.5+incompatible
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1.1233 prometheus-client 0.2.0

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1.1234 zookeeper 3.4.6 1569965

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1.1236 jersey-common 2.27

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1.1237 jetty-servlet 9.4.24.v20191120

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

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  * org.eclipse.jetty.orbit:javax.security.auth.message
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
  *
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1.1249 aws-sdk-go 1.34.22

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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## Copying Container Files

### Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

Copy requires that `tar` be installed in the container image.

### Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `\<path\>`
- Remote file format is `\<pod-name>:\<path\>`
Copy a remote file from a Pod to a local file.

- Local file format is `path`
- Remote file format is `<pod-name>:<path>`

```bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar
```
```bash
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

{% endmethod %}

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Feb, 2010

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// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL   string `json:"url,omitempty"
}
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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1.1260 apt 1.4.8

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1.1263 pax-utils 1.2.4-r0

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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c6f2bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

===========================================================================

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

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<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text" select="$isc.copyright.text"/>
    <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
      <xsl:call-template name="copyright.years">
        <xsl:with-param name="years" select="year"/>
      </xsl:call-template>
    </xsl:for-each>
  </xsl:call-template>
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docs/FTL.TXT
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#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrv.c
src/bdf/bdfdrv.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrv.c
src/pcf/pcfdrv.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
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src/pcf/README
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#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG PHYIE)
 *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstart() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skh->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.

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* M. Welsh, 6 July 1996

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for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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1.1281 jline 2.14.6

1.1282 bash 4.4 5
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dns.c - Recursive, Reentrant DNS Resolver.

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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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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.

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

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Mailing Address: 7/9-11 Cook St, Sutherland, NSW 2232, Australia

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

-----

Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

------
Apache

The following artifacts are ASL2 licensed.

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

------
MortBay

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

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

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The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted
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E-Mail: thomas.becker00@googlemail.com
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Mailing Address: 2215 SE 39th Ave, Portland OR 97214 USA

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Full name: Gregory John Wilkins
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Mailing Address: 62 Church St. Balmain, NSW 2041, Australia

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Mailing Address: 4676 Admiralty Way, Suite 520
Marina Del Rey, CA 90292

Point of Contact:
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E-Mail: gordon.king@simulalabs.com
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<table>
<thead>
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<th>Date added</th>
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<tr>
<td>Simone Bordet</td>
<td>12 September 2006</td>
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Full name: Julian Anthony Fox Gosnell
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c-ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c5f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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Theodore Ts'o
23-June-2007

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

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

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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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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image
real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fPIC
image:$(BSD_LIB)

$(BSD_LIB): $(OBJ)
(cd pic; ld -bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
/*

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*/

This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Gadi Oxman, August 1995

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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+++ tdbusa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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1.1363 tzdata 2020a-0+deb10u1

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package api

import (
    "bytes"
    "io/ioutil"
    "os"
    "path/filepath"
    "regexp"
    "testing"
)

// Files in this package use a BSD-style license.
var sentinel = regexp.MustCompile(`(//|#) Copyright \d\d\d\d (Google LLC|The Go Authors)\(\)\*( All rights
reserved\).)*
(//|#) Use of this source code is governed by a BSD-style
(//|#) license that can be found in the LICENSE file.
')

const prefix = "// Copyright"

// A few files have to be skipped.
var skip = map[string]bool{
    "tools.go": true, // This file requires another comment above the license.
    "internal/third_party/uritemplates/uritemplates.go": true, // This file is licensed to an individual.
    "internal/third_party/uritemplates/uritemplates_test.go": true, // This file is licensed to an individual.
}

// This test validates that all go files in the repo start with an appropriate license.
func TestLicense(t *testing.T) {
    err := filepath.Walk(".", func(path string, fi os.FileInfo, err error) error {
        if skip[path] {
            return nil
        }
        if err != nil {
            return err
        }
        if filepath.Ext(path) != ".go" && filepath.Ext(path) != ".sh" {
            return nil
        }
        src, err := ioutil.ReadFile(path)
        if err != nil {
            return err
        }
        if !sentinel.MatchString(src) {
            t.Errorf("%s has an incorrect license", path)
        }
    })
    if err != nil {
        t.Errorf("Failed to walk files: %v", err)
    }
}
if err != nil {
    return nil
}

// Verify that the license is matched.
if !sentinel.Match(src) {
t.Errorf("%v: license header not present", path)
    return nil
}

// Also check it is at the top of `.go` files (but not `.sh` files, because they must have a shebang first).
if filepath.Ext(path) == ".go" && !bytes.HasPrefix(src, []byte(prefix)) {
t.Errorf("%v: license header not at the top", path)
    return nil
}
return nil
)

if err != nil {
    t.Fatal(err)
}

---

1.1365 openssl 1.1.1c
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==============

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1.1366 google-uuid 3.0.3-0ubuntu1~18.04.1

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1.1375 libxau 1.0.8 1

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1.1376 go-jmespath 2.6.0+dfsg-1

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fields:
  site: string
  author: root

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1.1381 libx11 1.6.4-3+deb9u1

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1.1383 tdb 1.3.8

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1.1384 jackson 2.10.0

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1.1387 goprotobuf 1.3.3

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1.1388 tre 0.0.0-20191119213627

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1.1389 urfave-cli 3.1.9-2.el7

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1.1390 libnetfilter-queue 1.0.2 2.el7_2

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include/GL/glxext.h
include/GL/wglxext.h :

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 */

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/**
 * Provides additional information about a View such as whether it
 * performs redirects.
 *
 * @author Rossen Stoyanchev
 * @since 3.1
 */
public interface SmartView extends View {

 /**
  * Whether the view performs a redirect.
  */
  boolean isRedirectView();

}

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1.1406 curl 7.66.0 r0
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==============

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1.1408 lz4 1.8.3-1

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1.1411 perl 5.28.1 6
1.1411.1 Available under license :

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.
use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = ";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;

}
sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b\d{4,}/i
    or die "Copyright statement not found in perl -v output '$output';
    $year;
}

---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the Module-Build mailing list at <module-build@perl.org>.",
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

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

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```
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1.1415 httpcore-nio 4.4.5
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1.1416 golang-snappy 1.1.9

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1.1417 jopt-simple 5.0.4

1.1418 jackson-mapper-asl 1.9.13
1.1418.1 Available under license:

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* /opt/ws_local/PERMITS_SQL/1078286973_1597285663.32/0/jackson-mapper-asl-1-9-13-sources-2-jar/org/codehaus/jackson/map/MappingJsonFactory.java

1.1419 elasticsearch-curator 5.8.1
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1.1420 jcodings 1.0.43

1.1421 openssl 1.0.2k 19.el7
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1.1425 libtool 2.4.2 22.el7_3

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import (  
  "github.com/vmware/govmomi/object"  
  "github.com/vmware/govmomi/vim25/methods"  
  "github.com/vmware/govmomi/vim25/mo"  
  "github.com/vmware/govmomi/vim25/soap"  
  "github.com/vmware/govmomi/vim25/types"  
)
// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name: "Evaluation Mode",
    Properties: []types.KeyAnyValue{
        Key: "feature",
        Value: types.KeyValue{
            Key: "serialuri:2",
            Value: "Remote virtual Serial Port Concentrator",
        },
        Key: "feature",
        Value: types.KeyValue{
            Key: "dvs",
            Value: "vSphere Distributed Switch",
        },
    },
}

// LicenseManager

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
    m := &LicenseManager {
        Self: ref,
        Licenses: []types.LicenseManagerLicenseInfo{EvalLicense}
    }
    if Map.IsVPX() {
        am := Map.Put(&LicenseAssignmentManager{}).Reference()
        m.LicenseAssignmentManager = &am
    }
    return m
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{},
    }
    for _, license := range m.Licenses {
        if license.LicenseKey == req.LicenseKey {
            // Add license
            break
        }
    }
}
body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
return body
}

m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
LicenseKey: req.LicenseKey,
Labels: req.Labels,
})

body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)
return body

func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
body := &methods.RemoveLicenseBody{
Res: &types.RemoveLicenseResponse{,
}
}

for i, license := range m.Licenses {
if req.LicenseKey == license.LicenseKey {
m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:...])
return body
}
}

return body

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
body := &methods.UpdateLicenseLabelBody{

for i := range m.Licenses {
license := &m.Licenses[i]

if req.LicenseKey != license.LicenseKey {
continue
}

body.Res = new(types.UpdateLicenseLabelResponse)

for j := range license.Labels {
label := &license.Labels[j]

if label.Key == req.LabelKey {
if req.LabelValue == "" {
license.Labels = append(license.Labels[:i], license.Labels[i+1:...])
} else {

```
label.Value = req.LabelValue
}
return body
}

license.Labels = append(license.Labels, types.KeyValue{
Key:   req.LabelKey,
Value: req.LabelValue,
})

return body
}

body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey")
return body
}

type LicenseAssignmentManager struct {
mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
body := &methods.QueryAssignedLicensesBody{
Res: &types.QueryAssignedLicensesResponse{},
}

// EntityId can be a HostSystem or the vCenter InstanceUuid
if req.EntityId != "" {
if req.EntityId != Map.content().About.InstanceUuid {
id := types.ManagedObjectReference{
Type: "HostSystem",
Value: req.EntityId,
}

if Map.Get(id) == nil {
return body
}
}
}

body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
{
EntityId:   req.EntityId,
AssignedLicense: EvalLicense,
},
}
func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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## Copying Container Files

### Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

### Install Tar

Copy requires that *tar* be installed in the container image.

### Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `<path>`
- Remote file format is `<pod-name>:<path>`

```
bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```

### Remote to Local

Copy a remote file from a Pod to a local file.

- Local file format is `<path>`
- Remote file format is `<pod-name>:<path>`

```
bash
kubectl cp <some-pod>:/tmp/foo /tmp/bar
```
## Specify the Container

Specify the Container within a Pod running multiple containers.

- `-c <container-name>`

```bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
```

## Namespaces

Set the Pod namespace by prefixing the Pod name with `<namespace>`.

- `<pod-namespace>/<pod-name>:<path>`

```bash
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
    Plugin     string
    Option     string
    Severity   string // 'deprecated', 'removed', or 'unsupported'
    ReplacedBy string
    Additional string
    Version    string
}

func (n *Notice) ToString() string {
    s := ""
    if n.Option == "" {
        s += fmt.Sprintf("Plugin \"%v\" ", n.Plugin)
    } else {
        s += fmt.Sprintf("Option \"%v\" in plugin \"%v\" ", n.Option, n.Plugin)
    }
    return s
}
if n.Severity == unsupported {
    s += "is unsupported by this migration tool in " + n.Version + "."
} else if n.Severity == newdefault {
    s += "is added as a default in " + n.Version + "."
} else {
    s += "is " + n.Severity + " in " + n.Version + "."
}
if n.ReplacedBy != "" {
    s += fmt.Sprintf(` It is replaced by "%v".`, n.ReplacedBy)
}
if n.Additional != "" {
    s += " " + n.Additional
}
return s
}

const (
    deprecated = "deprecated" // deprecated, but still completely functional
    ignored    = "ignored"    // if included in the corefile, it will be ignored by CoreDNS
    removed    = "removed"    // completely removed from CoreDNS, and would cause CoreDNS to exit if present in
    the Corefile
    newdefault = "newdefault" // added to the default corefile. CoreDNS may not function properly if it is not present
    in the corefile.
    unsupported = "unsupported" // the plugin/option is not supported by the migration tool

    // The following statuses are used for selecting/filtering notifications
    all = "all" // show all statuses
)

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goproperties - properties file decoder for Go

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* github.com/BurntSushi/toml - https://github.com/BurntSushi/toml

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* github.com/google/renameio - https://github.com/google/renameio

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* github.com/kisielk/gotool  https://github.com/kisielk/gotool

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match.go, match_test.go:

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* github.com/rogpeppe/go-internal - https://github.com/rogpeppe/go-internal

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* golang.org/x/mod/module - https://github.com/golang/mod
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* golang.org/x/tools/go/analysis - https://github.com/golang/tools

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// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"
    URL  string `json:"url,omitempty"
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proofs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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tomb - support for clean goroutine termination in Go.

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1.1434 jopt-simple 5.0.3

1.1435 libxext 1.3.3 1+b2

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lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
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A. HISTORICAL BACKGROUND

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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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

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1.1446 sysv-init 2.93 8
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  1-jar/io/netty/internal/tnative/CertificateRequestedCallback.java
* /opt/ws_local/PERMITS_SQL/1020380889_1591945383.56/0/netty-tnative-boringssl-static-2-0-7-final-sources-
  1-jar/io/netty/internal/tnative/SessionTicketKey.java

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* /opt/ws_local/PERMITS_SQL/1020380889_1591945383.56/0/netty-tcnative-boringssl-static-2-0-7-final-sources-1-jar/io/netty/internal/tcnative/Library.java
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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//
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type License struct {
    Name string `json:"name.omitempty"
    URL  string `json:"url.omitempty"
}
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Mesa 3-D graphics library
Version: 4.1

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1.1471 security-provider 1.3.0
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1.1472 jetty-servlets 9.4.11.v20180605

1.1473 sarama 1.27.2

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1.1475 base-files 9.9+deb9u8

1.1476 v8 8.5.210.20
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

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

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

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

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.
Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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

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

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

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

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

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

   a) The modified work must itself be a software library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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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
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<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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

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

That's all there is to it!

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Version 3, 29 June 2007

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

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

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

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

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

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

TERMS AND CONDITIONS

0. Definitions.

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

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

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

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

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

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

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

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

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

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

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

   b) The work must carry prominent notices stating that it is released under this License and any conditions added under section

7. This requirement modifies the requirement in section 4 to
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c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

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

6. Conveying Non-Source Forms.

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

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.
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1.1492 streadway-amqp 0.0.0-20180315184602

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/**
 * An AccessException is thrown by an accessor if it has an unexpected problem.
 *
 * @author Andy Clement
 * @since 3.0
 */
@SuppressWarnings("serial")
public class AccessException extends Exception {

/**
 * Create an AccessException with a specific message.
 *
 * @param message the message
 */
public AccessException(String message) {
    super(message);
}

/**
 * Create an AccessException with a specific message and cause.
 *
 * @param message the message
 * @param cause the cause
 */
public AccessException(String message, Exception cause) {
    super(message, cause);
}
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### 1.1505 python-defaults 2.7.13 2

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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

---

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the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

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

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

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

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

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dh_python2, pycompile, pyclean and debpython module:

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**1.1507 libjpeg-turbo 1.5.1-2**

### 1.1507.1 Notifications:

This software is based in part on the work of the Independent JPEG Group.

### 1.1507.2 Available under license:

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

**DOCUMENTATION ROADMAP**

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This file contains the following sections:

- **OVERVIEW** General description of JPEG and the IJG software.
- **LEGAL ISSUES** Copyright, lack of warranty, terms of distribution.
- **REFERENCES** Where to learn more about JPEG.
OTHER DOCUMENTATION FILES IN THE DISTRIBUTION ARE:

User documentation:
install.doc    How to configure and install the IJG software.
usage.doc     Usage instructions for cjpeg, djpeg, jpegtran,
               rdjpgcom, and wrjpgcom.
*.1           Unix-style man pages for programs (same info as usage.doc).
wizard.doc    Advanced usage instructions for JPEG wizards only.
change.log    Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc   How to use the JPEG library in your own programs.
example.c     Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library’s internal structure.
filelist.doc  Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information
    can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
    ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or
    more of the REFERENCES, then looking at the documentation files (in roughly
    the order listed) before diving into the code.

OVERVIEW
    =========

This package contains C software to implement JPEG image compression and
decompression. JPEG (pronounced “jay-peg”) is a standardized compression
method for full-color and gray-scale images. JPEG is intended for compressing
“real-world” scenes; line drawings, cartoons and other non-realistic images
are not its strong suit. JPEG is lossy, meaning that the output image is not
exactly identical to the input image. Hence you must not use JPEG if you
have to have identical output bits. However, on typical photographic images,
very good compression levels can be obtained with no visible change, and
remarkably high compression levels are possible if you can tolerate a
low-quality image. For more details, see the references, or just experiment
with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive
compression processes. Provision is made for supporting all variants of these
processes, although some uncommon parameter settings aren’t implemented yet.
For legal reasons, we are not distributing code for the arithmetic-coding
variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting
the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files,
plus two sample applications "cjpeg" and "djpeg", which use the library to
perform conversion between JPEG and some other popular image file formats.
The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included
considerable functionality beyond the bare JPEG coding/decoding capability;
for example, the color quantization modules are not strictly part of JPEG
decoding, but they are essential for output to colormapped file formats or
colormapped displays. These extra functions can be compiled out of the
library if not required for a particular application. We have also included
"jpegtran", a utility for lossless transcoding between different JPEG
processes, and "rdjpgcom" and "wrjpgcom", two simple applications for
inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and
flexibility, while also making it fast enough to be useful. In particular,
the software is not intended to be read as a tutorial on JPEG. (See the
REFERENCES section for introductory material.) Rather, it is intended to
be reliable, portable, industrial-strength code. We do not claim to have
achieved that goal in every aspect of the software, but we strive for it.

We welcome the use of this software as a component of commercial products.
No royalty is required, but we do ask for an acknowledgement in product
documentation, as described under LEGAL ISSUES.

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ansi2knr.c is included in this distribution by permission of L. Peter Deutsch, sole proprietor of its copyright holder, Aladdin Enterprises of Menlo Park, CA. ansi2knr.c is NOT covered by the above copyright and conditions, but instead by the usual distribution terms of the Free Software Foundation; principally, that you must include source code if you redistribute it. (See the file ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part of any program generated from the IJG code, this does not limit you more than the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.
It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision
of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
=================

Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image
files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!
TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, “poor man's variable quantization”, and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

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This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG Group.

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DOCUMENTATION ROADMAP

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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
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This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these
processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.
It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.)

In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIff6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or
from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG’s own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free
PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't
use a proprietary file format!

TO DO
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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.1508 opensaml-soap-api 3.3.0

1.1509 libxtst 1.2.3-r3

1.1509.1 Available under license:

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1.1510 ecj 4.15

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java/lang/Objectjava/security/acl/Permission()Ljava/lang/String;equals(Ljava/lang/Object;)ZtoString

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```java
<init>()Ljava/lang/Object(Ljava/lang/String;)V
equalsimplies&()Ljava/security/PermissionCollection;hashCode
getActions
newPermissionCollection()Ljava/lang/String;getName(Ljava/lang/Object;)Z
java/security/GuardtoStringjava/security/Permissionjava/io/Serializable
checkGuard(Ljava/lang/Object;)V(Ljava/security/Permission;)Z!
```

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 * $Date: 2003/04/06 20:37:31 $
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* http://git.eclipse.org/c/jdt/eclipse.jdt.git
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1.1522 logrus 1.4.1
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1.1523 java-cacerts 1.0-r0

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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
options=":check"  # No test suite.
license="LGPL-2.0+"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  cd "$builddir"
  update_config_sub
default_prepare
}

build() {
  cd "$builddir"
  ./configure \
    --build=$CBUILD \
    --host=$CHOST \
    --prefix=/usr 
making
make
}

package() {
  cd "$builddir"
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c028e2f5a57e38d182b325a46513765425e5f1f17f9ae326af1b133725beba28f7e7 
6654309e001aee9bace727b5b4e8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
--- a/main.c
+++ b/main.c
@@ -33,7 +33,7 @@
 #include "extern.h"
#define AGREEMENT "https://letsencrypt.org" \
- "/documents/LE-SA-v1.1.1-August-1-2016.pdf" 
#define SSL_DIR "/etc/ssl/acme"
#define SSL_PRIV_DIR "/etc/ssl/acme/private"
#define ETC_DIR "/etc/acme"

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Avoid installing headers with mode 700.

--- a/CMake/utility.cmake
+++ b/CMake/utility.cmake
@@ -165,7 +165,7 @@
 getNameOfDir(CMAKE_CURRENT_SOURCE_DIR DIRNAME)
 if (${shouldInstall})
if (NOT ${FULL_HEADER_PATH} MATCHES ".*_p.h$") # we don't want to install header files which are marked as private
-        install(FILES ${FULL_HEADER_PATH} DESTINATION "include/${DIRNAME}/${REL_PATH}" PERMISSIONS OWNER_READ)
+        install(FILES ${FULL_HEADER_PATH} DESTINATION "include/${DIRNAME}/${REL_PATH}")
endif()}
endif()
endforeach()
mini_sendmail - accept email on behalf of real sendmail

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# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=3
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
builddir="srcrep/$pkgreal-$pkgver"

prepare() {
    default_prepare
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
}

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b8856f6cb97a5039d754c8cb60b2067dadedaf53bd15fb6561a3d0f828df16
    dfa5417f663b8065ba65f4fe16dec9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

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diff --git a/tests/t0501-duplicate.sh b/tests/t0501-duplicate.sh
index 66d321a..0520131 100644
--- a/tests/t0501-duplicate.sh
+++ b/tests/t0501-duplicate.sh
@@ -18,7 +18,11 @@
 . "${srcdir=/init.sh"; path_prepend_ ../parted . 

+arch=$(uname -m)
 for t in msdos gpt bsd; do
+   if [ "$t" = bsd ] && [ "$arch" = "s390x" ]; then
+     continue
+   fi
     duplicate $t || fail=1
 done
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
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pkgname=spdx-licenses
pkgver=3.7
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/
arch="noarch"
options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

._types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done
build() {
    cd "$builddir"
}

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in $builddir/text/*.txt; do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="24b017be9b3188710bed1015c1fcd6920e13a44b68e9d6caca129cbf059abbe16d31ae24b7c1714a8273bf6da11105155b85ba4fb6efd93aa76dc410f832b12  license-list-data-3.7.tar.gz"

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# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
build() {
    python3 setup.py build
}
package() {
    python3 setup.py install --prefix=/usr --root="$pkgdir"
}
sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ff153f0be1bed746464220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"

1.1524 goprotobuf 3.1.9-2.el7

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1.1525 go-playground-locales 1.1.8

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1.1526 stunnel 4.56 6.el7

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

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

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

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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

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

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Apache

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

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

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

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org.eclipse.jetty.toolchain:jetty-schemas

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// License information for the exposed API.

// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
  Name string `json:"name,omitempty"`
  URL  string `json:"url,omitempty"`
}
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proofs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.1533 jackson 2.9.8

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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. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.1534 libdaemon 0.14-7.el7

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1.1535 go-runtime 1.10.3

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

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

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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

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

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

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

org.eclipse.jetty.toolchain:jetty-schemas

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1.1541 go-flags 1.4.0

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1.1542 wpa-supplicant 2.6-12.el7

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* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java
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* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/NoopAddressResolverGroup.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/SimpleNameResolver.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/NameResolver.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/package-info.java
* /opt/ws_local/PERMITS_SQL/1068412551_1594388349.18/0/netty-resolver-4-1-48-final-sources-1-
  jar/io/netty/resolver/AddressResolverGroup.java

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1.1554 bctls-jdk15on 1.61

1.1555 curl 7.52.1-5+deb9u8
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### 1.1556 alpine-baselayout 3.1.2 r0

### 1.1557 xorg 7.7+19
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Source Package: xorg

Debian/Ubuntu package authors: Branden Robinson, Fabio M. Di Nitto, Daniel Stone and others

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1.1558 libx11 1.6.9-r0

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  jar/org/xerial/snappy/SnappyException.java
* /opt/ws_local/PERMITS_SQL/1018361853_1591902693.78/0/snappy-java-1-1-7-1-sources-
  jar/org/xerial/snappy/SnappyCodec.java
* /opt/ws_local/PERMITS_SQL/1018361853_1591902693.78/0/snappy-java-1-1-7-1-sources-
  jar/org/xerial/snappy/SnappyErrorCode.java
* /opt/ws_local/PERMITS_SQL/1018361853_1591902693.78/0/snappy-java-1-1-7-1-sources-
  jar/org/xerial/snappy/SnappyInputStream.java
* /opt/ws_local/PERMITS_SQL/1018361853_1591902693.78/0/snappy-java-1-1-7-1-sources-
  jar/org/xerial/snappy/Snappy.java
* /opt/ws_local/PERMITS_SQL/1018361853_1591902693.78/0/snappy-java-1-1-7-1-sources-
  jar/org/xerial/snappy/SnappyBundleActivator.java
* /opt/ws_local/PERMITS_SQL/1018361853_1591902693.78/0/snappy-java-1-1-7-1-sources-
  jar/org/xerial/snappy/BitShuffleNative.java
* /opt/ws_local/PERMITS_SQL/1018361853_1591902693.78/0/snappy-java-1-1-7-1-sources-
  jar/org/xerial/snappy/SnappyError.java

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License Mixing
==============

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This particular problem was addressed when the [Modified BSD license](https://opensource.org/licenses/BSD-3-Clause) was created, which does not have the announcement clause that collides with GPL.

## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is very liberal.

## OpenSSL

(May be used for SSL/TLS support) Uses an Original BSD-style license with an announcement clause that makes it "incompatible" with GPL. You are not allowed to ship binaries that link with OpenSSL that includes GPL code (unless that specific GPL code includes an exception for OpenSSL - a habit that is growing more and more common). If OpenSSL's licensing is a problem for you, consider using another TLS library.

## GnuTLS

(May be used for SSL/TLS support) Uses the [LGPL](https://www.gnu.org/licenses/lgpl.html) license. If this is a problem for you, consider using another TLS library. Also note that GnuTLS itself depends on and uses other libs (libgcrypt and libgpg-error) and they too are...
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LGFL- or GPL-licensed.

## WolfSSL

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## NSS

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## libressl

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## BearSSL

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## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license
that shouldn't collide with any other library.

## MIT Kerberos

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

## Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

## GNU GSS

(May be used for GSS support) GNU GSS is GPL licensed. Note that you may not distribute binary curl packages that uses this if you build curl to also link and use any Original BSD licensed libraries!

## libidn

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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

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1.1568 json-c 0.11 4.el7_0
1.1568.1 Available under license:

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1.1569 rsyslog 8.24.0 52.el7
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* @version 3.0 (December 2000)
*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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  jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/SslContextBuilder.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ClientAuth.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java

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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io.netty.handler.ssl/SniHandler.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io.netty.handler.ssl/util/OpenJdkSelfSignedCertGenerator.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-jar/io.netty.handler.ssl/PemReader.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/SslUtils.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/JdkSslServerContext.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/util/ThreadLocalInsecureRandom.java
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ar/io/netty/handler/ssl/SslContext.java
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ar/io/netty/handler/ipfilter/IpFilterRule.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/OpenSslServerSessionContext.java
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ar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/JdkSslClientContext.java
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ar/io/netty/handler/ssl/CipherSuiteConverter.java
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ar/io/netty/handler/ssl/OpenSslNpnApplicationProtocolNegotiator.java
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ar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/OpenSslServerContext.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
ar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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ar/io/netty/handler/ssl/JettyAlpnSslEngine.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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jar/io/netty/handler/ssl/CipherSuiteFilter.java
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jar/io/netty/handler/ssl/ApplicationProtocolConfig.java
*/opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslEngineMap.java
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jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java
*/opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
*/opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/traffic/GlobalChannelTrafficCounter.java
*/opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/OpenSslEngine.java
*/opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/JettyNpnSslEngine.java
*/opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/JdkSslContext.java
*/opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/SslProvider.java
*/opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ssl/JdkSslEngine.java
*/opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
jar/io/netty/handler/ipfilter/UniqueIpFilter.java
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  jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java
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  jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/traffic/TrafficCounter.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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1.1583 python-pip 18.1-5

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Upstream-Contact: David Howells <dhowells@redhat.com>

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++++++++++++++++

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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

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

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

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

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

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

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

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

These requirements apply to the modified work as a whole. If
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This option is useful when you wish to copy part of the code of
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under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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a) Accompany the work with the complete corresponding
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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
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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
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than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
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specified materials from the same place.

e) Verify that the user has already received a copy of these
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which the executable runs, unless that component itself accompanies
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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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Mersenne Twister

A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Any feedback is very welcome.
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Sockets
-------

The `socket' module uses the functions, `getaddrinfo', and `getnameinfo', which are coded in separate source files from the WIDE Project, `http://www.wide.ad.jp/about/index.html'.

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Jean-loup Gailly Mark Adler
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*/

package license

import (  
"context"  
"flag"  
"fmt"  
"github.com/vmware/govmomi/govc/cli"  
"github.com/vmware/govmomi/govc/flags"  
"github.com/vmware/govmomi/license"  
"github.com/vmware/govmomi/vim25/types"
)

type add struct {
func init() {
cli.Register("license.add", &add{ })
}

func (cmd *add) Register(ctx context.Context, f *flag.FlagSet) {
(cmd.ClientFlag, ctx) = flags.NewClientFlag(ctx)
(cmd.ClientFlag).Register(ctx, f)

(cmd.OutputFlag, ctx) = flags.NewOutputFlag(ctx)
(cmd.OutputFlag).Register(ctx, f)
}

func (cmd *add) Process(ctx context.Context) error {
if err := cmd.ClientFlag.Process(ctx); err != nil {
return err
}
if err := cmd.OutputFlag.Process(ctx); err != nil {
return err
}
return nil
}

func (cmd *add) Usage() string {
return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
client, err := cmd.Client()
if err != nil {
return err
}

m := license.NewManager(client)

// From the vSphere 5.5 documentation:
//
// To specify the edition type and any optional functions, use
// updateLicense for ESX Server and addLicense follow by
// LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
//
// var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
switch t := client.ServiceContent.About.ApiType; t {
case "HostAgent":

addFunc = m.Update

case "VirtualCenter":
    addFunc = m.Add
default:
    return fmt.Errorf("unsupported ApiType: %s", t)

result := make(licenseOutput, 0)
for _, v := range f.Args() {
    license, err := addFunc(ctx, v, nil)
    if err != nil {
        return err
    }
    result = append(result, license)
}

return cmd.WriteResult(licenseOutput(result))

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#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if [ "$(gocv license.ls -json | jq -r .[0].EditionKey)" != "eval" ]; then
        skip "requires evaluation license"
    fi
}

get_key() {
    jq ".[].| select(.LicenseKey == "$1")"
}

get_property() {
    jq ".Properties[].| select(.Key == "$1") | .Value"
}

get_label() {
    gocv license.ls -json | jq ".[].| select(.LicenseKey == "$1") | .Labels[].| select(.Key == "$2") | .Value"
}

get_nlabel() {
    gocv license.ls -json | jq ".[].| select(.LicenseKey == "$1") | .Labels[].Key" | wc -l
}

@test "license.add" {
    esx_env

    verify_evaluation

    run gocv license.add -json 00000-00000-00000-00000-000001 00000-00000-00000-000002
    assert_success

    # Expect to see an entry for both the first and the second key
    assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-000001 <<<$output) | get_property diagnostic)"
    assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-000002 <<<$output) | get_property diagnostic)"
}

@test "license.remove" {
    esx_env

    verify_evaluation

    run gocv license.remove -json 00000-00000-00000-000001
    assert_success
}
@test "license.ls" {
  vcsim_env

  verify_evaluation

  run govc license.ls -json
  assert_success

  # Expect the test instance to run in evaluation mode
  assert_equal "Evaluation Mode" "$(get_key 00000-00000-00000-00000-00000 <<<$output | jq -r .Name")"
}

@test "license.decode" {
  esx_env

  verify_evaluation

  key=00000-00000-00000-00000-00000
  assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
}

@test "license.label.set" {
  vcsim_env

  key=00000-00000-00000-00000-00000

  assert_equal 0 "$(get_nlabel $key)"
  assert_equal "" "$(get_label $key foo)"

  run govc license.label.set $key foo bar
  assert_success

  assert_equal 1 "$(get_nlabel $key)"
  assert_equal bar "$(get_label $key foo)"

  run govc license.label.set $key biz baz
  assert_success

  run govc license.label.set $key foo bar2
  assert_success

  assert_equal 2 "$(get_nlabel $key)"
  assert_equal bar2 "$(get_label $key foo)"

  run govc license.label.set $key foo ""
  assert_success

  assert_equal 1 "$(get_nlabel $key)"

assert_equal "" "$(get_label $key foo)"
}
Paul Borman <borman@google.com>
 bmatsuo
 shawnps
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*/

package license

import (  
  "context"
  "flag"
  
  "github.com/vmware/govmomi/govc/cli"
  "github.com/vmware/govmomi/govc/flags"
  "github.com/vmware/govmomi/license"
)

var featureUsage = "List licenses with given feature"

type ls struct {  
  *flags.ClientFlag
  *flags.OutputFlag

  feature string
}

func init() {


cli.Register("license.ls", &ls{})
}

func (cmd *ls) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *ls) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *ls) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    result, err := m.List(ctx)
    if err != nil {
        return err
    }

    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }

    return cmd.WriteResult(licenseOutput(result))
}

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*/

package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{ })
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *remove) Usage() string {


func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }

    return nil
}

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*/

package license

import (
    "context"
    "flag"
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag

    id string
}

func init() {

cli.Register("license.assigned.ls", &assigned{})

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", ",", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }
    assigned, err := m.QueryAssigned(ctx, cmd.id)
    if err != nil {
        return err
    }
    return cmd.WriteResult(assignedOutput(assigned))
}

type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
")
    for _, v := range res {
        ...
    }
}
fmt.Fprintf(tw, "\%s\t", v.EntityId)
fmt.Fprintf(tw, "\%s\t", v.Scope)
fmt.Fprintf(tw, "\%s\t", v.EntityDisplayName)
fmt.Fprintf(tw, "\%s\t", v.AssignedLicense.LicenseKey)
fmt.Fprintf(tw, "\n")
}
return tw.Flush()
}

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*/

package license

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    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type decode struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.decode", &decode{})
}
func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
    f.StringVar(&cmd.feature, "feature", ",", featureUsage)
}

func (cmd *decode) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *decode) Usage() string {
    return "KEY..."
}

func (cmd *decode) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    var result license.InfoList
    m := license.NewManager(client)
    for _, v := range f.Args() {
        license, err := m.Decode(ctx, v)
        if err != nil {
            return err
        }
        result = append(result, license)
    }
    if cmd.feature != "" {
        result = result.WithFeature(cmd.feature)
    }
    return cmd.WriteResult(licenseOutput(result))
}
package simulator

import (
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/soap"
    "github.com/vmware/govmomi/vim25/types"
    )

// EvalLicense is the default license
var EvalLicense = types.LicenseManagerLicenseInfo{
    LicenseKey: "00000-00000-00000-00000-00000",
    EditionKey: "eval",
    Name:     "Evaluation Mode",
    Properties: []types.KeyAnyValue{
      {Key: "feature",
       Value: types.KeyValue{
      Key:   "serialuri:2",
       }},
    },
}
Value: "Remote virtual Serial Port Concentrator",
",
{
  Key: "feature",
  Value: types.KeyValue{
    Key: "dvs",
    Value: "vSphere Distributed Switch",
  },
}

type LicenseManager struct {
  mo.LicenseManager
}

func (m *LicenseManager) init(r *Registry) {
  m.Licenses = []types.LicenseManagerLicenseInfo{EvalLicense}

  if r.IsVPX() {
    am := Map.Put(&LicenseAssignmentManager{}).Reference()
    m.LicenseAssignmentManager = &am
  }
}

func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
  body := &methods.AddLicenseBody{
    Res: &types.AddLicenseResponse{},
  }

  for _, license := range m.Licenses {
    if license.LicenseKey == req.LicenseKey {
      body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
      return body
    }
  }

  m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
    LicenseKey: req.LicenseKey,
    Labels:    req.Labels,
  })

  body.Res.Returnval = licenseInfo(req.LicenseKey, req.Labels)

  return body
}
func (m *LicenseManager) RemoveLicense(req *types.RemoveLicense) soap.HasFault {
    body := &methods.RemoveLicenseBody{
        Res: &types.RemoveLicenseResponse{ },
    }

    for i, license := range m.Licenses {
        if req.LicenseKey == license.LicenseKey {
            m.Licenses = append(m.Licenses[:i], m.Licenses[i+1:]...)  
            return body
        }
    }

    return body
}

func (m *LicenseManager) UpdateLicenseLabel(req *types.UpdateLicenseLabel) soap.HasFault {
    body := &methods.UpdateLicenseLabelBody{

    for i := range m.Licenses {  
        license := &m.Licenses[i]

        if req.LicenseKey != license.LicenseKey {
            continue
        }

        body.Res = new(types.UpdateLicenseLabelResponse)
        for j := range license.Labels {
            label := &license.Labels[j]

            if label.Key == req.LabelKey {
                if req.LabelValue == "" {
                    license.Labels = append(license.Labels[:i], license.Labels[i+1:]...)  
                } else {
                    label.Value = req.LabelValue
                }
                return body
            }
        }

        license.Labels = append(license.Labels, types.KeyValue{
            Key:   req.LabelKey,
            Value: req.LabelValue,
        })

        return body
    }

    body.Fault_ = Fault("", &types.InvalidArgument{InvalidProperty: "licenseKey"})
}
type LicenseAssignmentManager struct {
    mo.LicenseAssignmentManager
}

func (m *LicenseAssignmentManager) QueryAssignedLicenses(req *types.QueryAssignedLicenses) soap.HasFault {
    body := &methods.QueryAssignedLicensesBody{
        Res: &types.QueryAssignedLicensesResponse{ },
    }

    // EntityId can be a HostSystem or the vCenter InstanceUuid
    if req.EntityId != "" {
        if req.EntityId != Map.content().About.InstanceUuid {
            id := types.ManagedObjectReference{
                Type: "HostSystem",
                Value: req.EntityId,
            }
            if Map.Get(id) == nil {
                return body
            }
        }
    }

    body.Res.Returnval = []types.LicenseAssignmentManagerLicenseAssignment{
        {
            EntityId: req.EntityId,
            AssignedLicense: EvalLicense,
        },
    }

    return body
}

func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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*/

package license
import (  
"context"

"github.com/vmware/govmomi/object"
"github.com/vmware/govmomi/vim25/methods"
"github.com/vmware/govmomi/vim25/types"
)

type AssignmentManager struct {
  object.Common
}

func (m AssignmentManager) QueryAssigned(ctx context.Context, id string) ([]types.LicenseAssignmentManagerLicenseAssignment, error) {
  req := types.QueryAssignedLicenses{
    This:     m.Reference(),
    EntityId: id,
  }

  res, err := methods.QueryAssignedLicenses(ctx, m.Client(), &req)
  if err != nil {
    return nil, err
  }

  return res.Returnval, nil
}

func (m AssignmentManager) Remove(ctx context.Context, id string) error {
  req := types.RemoveAssignedLicense{
    This:     m.Reference(),
    EntityId: id,
  }

  _, err := methods.RemoveAssignedLicense(ctx, m.Client(), &req)

  return err
}

func (m AssignmentManager) Update(ctx context.Context, id string, key string, name string) (*types.LicenseManagerLicenseInfo, error) {
  req := types.UpdateAssignedLicense{
    This:              m.Reference(),
    Entity:            id,
    LicenseKey:        key,
    EntityDisplayName: name,
  }

  res, err := methods.UpdateAssignedLicense(ctx, m.Client(), &req)

  return res, err
}
if err != nil {
    return nil, err
}

return &res.Returnval, nil

package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/types"
)

type label struct {
    *flags.ClientFlag
}

func init() {
    cli.Register("license.label.set", &label{})
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
}

func (cmd *label) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
func (cmd *label) Usage() string {
    return "LICENSE KEY VAL"
}

func (cmd *label) Description() string {
    return `Set license labels.

Examples:
govc license.label.set 00000-00000-00000-00000-00000 team cnx # add/set label
govc license.label.set 00000-00000-00000-00000-00000 team "" # remove label
govc license.ls -json | jq `.[] | select(.Labels[].Key == "team") | .LicenseKey"
}

func (cmd *label) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)

    if f.NArg() != 3 {
        return flag.ErrHelp
    }

    req := types.UpdateLicenseLabel{
        This:       m.Reference(),
        LicenseKey: f.Arg(0),
        LabelKey:   f.Arg(1),
        LabelValue: f.Arg(2),
    }

    _, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
    return err
}

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 */

package license

import {
  "fmt"
  "io"
  "os"
  "text/tabwriter"

  "github.com/vmware/govmomi/vim25/types"
}

type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
  tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
  fmt.Fprintf(tw, "Key:\tEdition:\tUsed:\tTotal:\n")
  for _, v := range res {
    fmt.Fprintf(tw, "%s\t", v.LicenseKey)
    fmt.Fprintf(tw, "%s\t", v.EditionKey)
    fmt.Fprintf(tw, "%d\t", v.Used)
    fmt.Fprintf(tw, "%d\t", v.Total)
    fmt.Fprintf(tw, "\n")
  }
  return tw.Flush()
}

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package license

import (
    "context"
    "flag"
    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
)

type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag
    name   string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{ })
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
}
cmd.ClientFlag.Register(ctx, f)

cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
cmd.OutputFlag.Register(ctx, f)

cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
cmd.HostSystemFlag.Register(ctx, f)

cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
cmd.ClusterFlag.Register(ctx, f)

f.StringVar(&cmd.name, "name", "", "Display name")
f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }
    return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
}

func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.
Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`
}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }
    key := f.Arg(0)
client, err := cmd.Client()
if err != nil {
    return err
}

m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

host, err := cmd.HostSystemIfSpecified()
if err != nil {
    return err
}

var id string

if host == nil {
    cluster, cerr := cmd.ClusterIfSpecified()
    if cerr != nil {
        return cerr
    }
    if cluster == nil {
        // Default to vCenter UUID
        id = client.ServiceContent.About.InstanceUuid
    } else {
        id = cluster.Reference().Value
    }
} else {
    id = host.Reference().Value
}

if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))

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package license

import {
    "context"
    "strconv"
    "strings"
    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
}

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }
    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{

This: m.Reference(),
LicenseKey: key,
Labels: mapToKeyValueSlice(labels),
}
res, err := methods.AddLicense(ctx, m.Client(), &req)
if err != nil {
    return types.LicenseManagerLicenseInfo{}, err
}
return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This: m.Reference(),
        LicenseKey: key,
    }
    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This: m.Reference(),
        LicenseKey: key,
    }
    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This: m.Reference(),
        LicenseKey: key,
        Labels: mapToKeyValueSlice(labels),
    }
    res, err := methods.UpdateLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}
func (m Manager) List(ctx context.Context) (InfoList, error) {
    var mlm mo.LicenseManager
    err := m.Properties(ctx, m.Reference(), []string{"licenses"}, &mlm)
    if err != nil {
        return nil, err
    }
    return InfoList(mlm.Licenses), nil
}

func (m Manager) AssignmentManager(ctx context.Context) (*AssignmentManager, error) {
    var mlm mo.LicenseManager
    err := m.Properties(ctx, m.Reference(), []string{"licenseAssignmentManager"}, &mlm)
    if err != nil {
        return nil, err
    }
    if mlm.LicenseAssignmentManager == nil {
        return nil, object.ErrNotSupported
    }
    am := AssignmentManager{
        object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
    }
    return &am, nil
}

type licenseFeature struct {
    name  string
    level int
}

func parseLicenseFeature(feature string) *licenseFeature {
    lf := new(licenseFeature)
    f := strings.Split(feature, ":")
    lf.name = f[0]
    if len(f) > 1 {
        if
var err error
lf.level, err = strconv.Atoi(f[1])
if err != nil {
lf.name = feature
}
return lf
}

func HasFeature(license types.LicenseManagerLicenseInfo, key string) bool {
feature := parseLicenseFeature(key)

for _, p := range license.Properties {
if p.Key != "feature" {
continue
}
}

kv, ok := p.Value.(types.KeyValue)
if !ok {
continue
}
lf := parseLicenseFeature(kv.Key)

if lf.name == feature.name && lf.level >= feature.level {
return true
}

return false
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
type InfoList []types.LicenseManagerLicenseInfo

func (l InfoList) WithFeature(key string) InfoList {
var result InfoList
for _, license := range l {
if HasFeature(license, key) {
result = append(result, license)
}
}
return result
}
package simulator

import (
    "context"
    "reflect"
    "testing"

    "github.com/vmware/govmomi"
    "github.com/vmware/govmomi/find"
    "github.com/vmware/govmomi/license"
)

func TestLicenseManagerVPX(t *testing.T) {
    ctx := context.Background()
    m := VPX()

    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
    defer s.Close()

    c, err := govmomi.NewClient(ctx, s.URL, true)
    if err != nil {
        t.Fatal(err)
    }

    lm := license.NewManager(c.Client)
}
am, err := lm.AssignmentManager(ctx)
if err != nil {
    t.Fatal(err)
}

la, err := am.QueryAssigned(ctx, "enoent")
if err != nil {
    t.Fatal(err)
}

if len(la) != 0 {
    t.Errorf("unexpected license")
}

finder := find.NewFinder(c.Client, false)
hosts, err := finder.HostSystemList(ctx, "/...")
if err != nil {
    t.Fatal(err)
}

host := hosts[0].Reference().Value

for _, name := range []string{"", host, vcid} {
    la, err = am.QueryAssigned(ctx, name)
    if err != nil {
        t.Fatal(err)
    }

    if len(la) != 1 {
        t.Fatal("no licenses")
    }

    if !reflect.DeepEqual(la[0].AssignedLicense, EvalLicense) {
        t.Fatal("invalid license")
    }
}

func TestLicenseManagerESX(t *testing.T) {
    ctx := context.Background()
    m := ESX()

    defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    // Further test code...
}
s := m.Service.NewServer()
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}

lm := license.NewManager(c.Client)
_, err = lm.AssignmentManager(ctx)
if err == nil {
    t.Fatal("expected error")
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

if !reflect.DeepEqual(la[0], EvalLicense) {
    t.Fatal("invalid license")
}

func TestAddRemoveLicense(t *testing.T) {
    ctx := context.Background()
m := ESX()

defer m.Remove()

    err := m.Create()
    if err != nil {
        t.Fatal(err)
    }

    s := m.Service.NewServer()
defer s.Close()

c, err := govmomi.NewClient(ctx, s.URL, true)
if err != nil {
    t.Fatal(err)
}
lm := license.NewManager(c.Client)
key := "00000-00000-00000-00000-11111"
labels := map[string]string{"key": "value"}

info, err := lm.Add(ctx, key, labels)
if err != nil {
    t.Fatal(err)
}
if info.LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
}
if len(info.Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(info.Labels))
}
if info.Labels[0].Key != "key" || info.Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%s:%s}", info.Labels[0].Key, info.Labels[0].Value)
}

la, err := lm.List(ctx)
if err != nil {
    t.Fatal(err)
}
if len(la) != 2 {
    t.Fatal("no licenses")
}
if la[1].LicenseKey != key {
    t.Fatalf("expect info.LicenseKey equal to %q; got %q", key, la[1].LicenseKey)
}
if len(la[1].Labels) != len(labels) {
    t.Fatalf("expect len(info.Labels) equal to %d; got %d", len(labels), len(la[1].Labels))
}
if la[1].Labels[0].Key != "key" || la[1].Labels[0].Value != "value" {
    t.Fatalf("expect label to be {key:value}; got {%s:%s}", la[1].Labels[0].Key, la[1].Labels[0].Value)
}
err = lm.Remove(ctx, key)
if err != nil {
    t.Fatal(err)
}

la, err = lm.List(ctx)
if err != nil {
    t.Fatal(err)
}

if len(la) != 1 {
    t.Fatal("no licenses")
}

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

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish
Oracle

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

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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

* java.sun.security.ssl

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

OW2

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

Apache

The following artifacts are ASL2 licensed.

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1616 connect-runtime 2.3.1

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Zstd-jni: JNI bindings to Zstd Library

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1.1617 lsb 9.20161125

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1.1619 glib 2.56.1-7.el7
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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.1634 connect-json 2.0.1

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1.1635 pciutils 3.5.2-1

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The package was downloaded from ftp://ftp.kernel.org/pub/software/utils/pciutils/

Upstream Author: Martin Mares <mj@ucw.cz>

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1.1636 lang-painless 6.8.12
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 */
/**
 * Painless invokedynamic bootstrap for the call site.
 * <p>
 * Has 11 flavors (passed as static bootstrap parameters): dynamic method call,
 * dynamic field load (getter), and dynamic field store (setter), dynamic array load,
 * dynamic array store, iterator, method reference, unary operator, binary operator,
 * shift operator, and dynamic array index normalize.
 * <p>
 * When a new type is encountered at the call site, we lookup from the appropriate
 * whitelist, and cache with a guard. If we encounter too many types, we stop caching.
 * <p>
 * Based on the cascaded inlining cache from the JSR 292 cookbook
 * (https://code.google.com/archive/p/jsr292-cookbook/, BSD license)
 */

Found in path(s):
*/opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/DefBootstrap.java
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*/

Found in path(s):
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/SReturn.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/lookup/PainlessLookup.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/PSubListShortcut.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/api/package-info.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/lookup/PainlessConstructor.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/lookup/SimpleChecksAdapter.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/lookup/def.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/lookup/PainlessClassBuilder.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/lookup/PainlessClassBinding.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/PSubDefArray.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/api/Augmentation.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
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* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
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* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/SIfElse.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
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* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
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* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/SBlock.java
* /opt/cola/permits/1124222433_1611010430.53/0/lang-painless-6-8-12-sources-1-
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jar/org/elasticsearch/painless/antlr/Walker.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/WriterConstants.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/AnalyzerCaster.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/ELambda.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/EBinary.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/SDo.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/SDeclBlock.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/EConditional.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/EFunctionRef.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/EMapInit.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/painless/Def.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/EUnary.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/EComp.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/lookup/PainlessCast.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/SWhile.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/lookup/PainlessLookupUtility.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/EBool.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/PSubDefField.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/PSubUnsafeCallInvoke.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/painless/AExpression.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/EUnary.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/painless/PainlessPlugin.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/node/AExpression.java
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jar/org/elasticsearch/painless/node/ILambda.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
jar/org/elasticsearch/painless/painless/PainlessExecuteAction.java
* /opt/cola/permits/112422433_1611010430.53/0/lang-painless-6-8-12-sources-1-
1.1637 dmidecode 3.2 3.el7

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analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
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===========================================================================

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1.1645 xmlsec-java 2.1.0
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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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1.1653 go-mssqlpdb 1.1.8

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1.1654 scala-logging_2.12 3.9.0

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1.1655 zstd-jni 1.3.7-3

1.1656 slf4j 1.7.25

1.1657 berkeley-db 5.3.21

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* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/helpers/NOPLoggerFactory.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/helpers/SubstituteLoggerFactory.java
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* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/spi/LoggerFactoryBinder.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java
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* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/Logger.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/helpers/BasicMDCAdapter.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/helpers/BasicMarker.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/Marker.java

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* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/helpers/MessageFormatter.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/spi/MDCAdapter.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/spi/LocationAwareLogger.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/ILoggerFactory.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/impl/StaticLoggerBinder.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/MarkerFactory.java
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* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/MDC.java
* /opt/cola/permits/1001043072_1607008525.94/0/slf4j-api-1-6-2-sources-jar/org/slf4j/helpers/BasicMarkerFactory.java

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1.1666 libunistring 0.9.3 9.el7

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1.1668 miglayout 3.5.5

1.1669 coreutils 8.22 24.el7

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/* chown-core.c -- core functions for changing ownership. 
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/* Extracted from chown.c/chgrp.c and librarified by Jim Meyering. */ 

#include <config.h>
#include <stdio.h>
#include <sys/types.h>
#include <pwd.h>
#include <grp.h>
#include "system.h"
#include "chown-core.h"
#include "error.h"
#include "ignore-value.h"
#include "quote.h"
#include "root-dev-ino.h"
#include "xfts.h"

#define FTSENT_IS_DIRECTORY(E) 
(E)->fts_info == FTS_D 
|| (E)->fts_info == FTS_DC 
|| (E)->fts_info == FTS_DP 
|| (E)->fts_info == FTS_DNR 

enum RCH_status 
{


/* we called fchown and close, and both succeeded */
RC_ok = 2,

/* required_uid and/or required_gid are specified, but don't match */
RC_excluded,

/* SAME_INODE check failed */
RC_inode_changed,

/* open/fchown isn't needed, isn't safe, or doesn't work due to
 permissions problems; fall back on chown */
RC_do_ordinary_chown,

/* open, fstat, fchown, or close failed */
RC_error
};

extern void
chopt_init (struct Chown_option *chopt)
{
  chopt->verbosity = V_off;
  chopt->root_dev_ino = NULL;
  chopt->affect_symlink_referent = true;
  chopt->recurse = false;
  chopt->force_silent = false;
  chopt->user_name = NULL;
  chopt->group_name = NULL;
}

extern void
chopt_free (struct Chown_option *chopt _GL_UNUSED)
{
  /* Deliberately do not free chopt->user_name or ->group_name.
      They're not always allocated. */
}

/* Convert the numeric group-id, GID, to a string stored in xmalloc'd memory,
 and return it. If there's no corresponding group name, use the decimal
 representation of the ID. */

extern char *
gid_to_name (gid_t gid)
{
  char buf[INT_BUFSIZE_BOUND (intmax_t)];
  struct group *grp = getgrgid (gid);
  return xstrdup (grp ? grp->gr_name
    : TYPE_SIGNED (gid_t) ? imaxtostr (gid, buf)
    : umaxtostr (gid, buf));
}
/* Convert the numeric user-id, UID, to a string stored in xmalloc'd memory,
and return it. If there's no corresponding user name, use the decimal
representation of the ID. */
extern char *
uid_to_name (uid_t uid)
{
char buf[INT_BUFSIZE_BOUND (intmax_t)];
struct passwd *pwd = getpwuid (uid);
return xstrdup (pwd ? pwd->pw_name
: TYPE_SIGNED (uid_t) ? imaxtostr (uid, buf)
: umaxtostr (uid, buf));
}
/* Allocate a string representing USER and GROUP. */
static char *
user_group_str (char const *user, char const *group)
{
char *spec = NULL;
if (user)
{
if (group)
{
spec = xmalloc (strlen (user) + 1 + strlen (group) + 1);
stpcpy (stpcpy (stpcpy (spec, user), ":"), group);
}
else
{
spec = xstrdup (user);
}
}
else if (group)
{
spec = xstrdup (group);
}
return spec;
}
/* Tell the user how/if the user and group of FILE have been changed.
If USER is NULL, give the group-oriented messages.
CHANGED describes what (if anything) has happened. */
static void

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describe_change (const char *file, enum Change_status changed,
   char const *old_user, char const *old_group,
   char const *user, char const *group)
{
const char *fmt;
char *old_spec;
char *spec;

if (changed == CH_NOT_APPLIED)
{
    printf (_("neither symbolic link %s nor referent has been changed\n"),
        quote (file));
    return;
}

spec = user_group_str (user, group);
old_spec = user_group_str (user ? old_user : NULL, group ? old_group : NULL);

switch (changed)
{
    case CH_SUCCEEDED:
        fmt = (user ? _("changed ownership of %s from %s to %s\n")
            : group ? _("changed group of %s from %s to %s\n")
            : _("no change to ownership of %s\n"));
        break;
    case CH_FAILED:
        if (old_spec)
        {
            fmt = (user ? _("failed to change ownership of %s from %s to %s\n")
                : group ? _("failed to change group of %s from %s to %s\n")
                : _("failed to change ownership of %s\n"));
        } else
        {
            fmt = (user ? _("failed to change ownership of %s to %s\n")
                : group ? _("failed to change group of %s to %s\n")
                : _("failed to change ownership of %s\n"));
            free (old_spec);
            old_spec = spec;
            spec = NULL;
        }
        break;
    case CH_NO_CHANGE_REQUESTED:
        fmt = (user ? _("ownership of %s retained as %s\n")
            : group ? _("group of %s retained as %s\n")
            : _("ownership of %s retained\n"));
        break;
    default:

abort ();
}

printf (fmt, quote (file), old_spec, spec);

free (old_spec);
free (spec);
}

/* Change the owner and/or group of the FILE to UID and/or GID (safely)
only if REQUIRED_UID and REQUIRED_GID match the owner and group IDs
of FILE.  ORIG_ST must be the result of 'stat'ing FILE.

The 'safely' part above means that we can't simply use chown(2),
since FILE might be replaced with some other file between the time
of the preceding stat/lstat and this chown call.  So here we open
FILE and do everything else via the resulting file descriptor.
We first call lstat and verify that the dev/inode match those from
the preceding stat call, and only then, if appropriate (given the
required_uid and required_gid constraints) do we call fchown.

Return RC_do_ordinary_chown if we can't open FILE, or if FILE is a
special file that might have undesirable side effects when opening.
In this case the caller can use the less-safe ordinary chown.

Return one of the RCH_status values. */

static enum RCH_status
restricted_chown (int cwd_fd, char const *file,
                 struct stat const *orig_st,
                 uid_t uid, gid_t gid,
                 uid_t required_uid, gid_t required_gid)
{
    enum RCH_status status = RC_ok;
    struct stat st;
    int open_flags = O_NONBLOCK | O_NOCTTY;
    int fd;

    if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1)
        return RC_do_ordinary_chown;

    if (! S_ISREG (orig_st->st_mode))
    {
        if (S_ISDIR (orig_st->st_mode))
            open_flags |= O_DIRECTORY;
        else
            return RC_do_ordinary_chown;
    }

    return status;
}
fd = openat (cwd_fd, file, O_RDONLY | open_flags);
if (! (0 <= fd
   || (errno == EACCES && S_ISREG (orig_st->st_mode)
       && 0 <= (fd = openat (cwd_fd, file, O_WRONLY | open_flags)))))
return (errno == EACCES ? RC_do_ordinary_chown : RC_error);

if (fstat (fd, &st) != 0)
status = RC_error;
else if (! SAME_INODE (*orig_st, st))
status = RC_inode_changed;
else if (((required_uid == (uid_t) -1 || required_uid == st.st_uid)
       && (required_gid == (gid_t) -1 || required_gid == st.st_gid))
{
  if (fchown (fd, uid, gid) == 0)
  {
    status = (close (fd) == 0
      ? RC_ok : RC_error);
    return status;
  }
  else
  {
    status = RC_error;
  }
}

int saved_errno = errno;
close (fd);
errno = saved_errno;
return status;

/* Change the owner and/or group of the file specified by FTS and ENT
to UID and/or GID as appropriate.
If REQUIRED_UID is not -1, then skip files with any other user ID.
If REQUIRED_GID is not -1, then skip files with any other group ID.
CHOPT specifies additional options.
Return true if successful. */
static bool
change_file_owner (FTS *fts, FTSENT *ent,
   uid_t uid, gid_t gid,
   uid_t required_uid, gid_t required_gid,
   struct Chown_option const *chopt)
{
  char const *file_full_name = ent->fts_path;
  char const *file = ent->fts_accpath;
  struct stat const *file_stats;
  struct stat stat_buf;
bool ok = true;
bool do_chown;
bool symlink_changed = true;

switch (ent->fts_info)
{
    case FTS_D:
        if (chopt->recurse)
        {
            if (ROOT_DEV_INO_CHECK (chopt->root_dev_ino, ent->fts_statp))
            {
                /* This happens e.g., with "chown -R --preserve-root 0 /" */
                and with "chown -RH --preserve-root 0 symlink-to-root". */
                ROOT_DEV_INO_WARN (file_full_name);
                /* Tell fts not to traverse into this hierarchy. */
                fts_set (fts, ent, FTS_SKIP);
                /* Ensure that we do not process "/" on the second visit. */
                ignore_value (fts_read (fts));
                return false;
            }
            return true;
        }
        break;
    case FTS_DP:
        if (! chopt->recurse)
            return true;
        break;
    case FTS_NS:
        /* For a top-level file or directory, this FTS_NS (stat failed)
           indicator is determined at the time of the initial fts_open call.
           With programs like chmod, chown, and chgrp, that modify
           permissions, it is possible that the file in question is
           accessible when control reaches this point. So, if this is
           the first time we've seen the FTS_NS for this file, tell
           fts_read to stat it "again". */
        if (ent->fts_level == 0 && ent->fts_number == 0)
        {
            ent->fts_number = 1;
            fts_set (fts, ent, FTS_AGAIN);
            return true;
        }
        if (! chopt->force_silent)
            error (0, ent->fts_errno, _"cannot access %s"),
            quote (file_full_name));
        ok = false;
        break;
case FTS_ERR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, "%s", quote (file_full_name));
    ok = false;
    break;

case FTS_DNR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, _"cannot read directory %s"),
                           quote (file_full_name));
    ok = false;
    break;

case FTS_DC: /* directory that causes cycles */
    if (cycle_warning_required (fts, ent))
    {
        emit_cycle_warning (file_full_name);
        return false;
    }
    break;

default:
    break;
}

if (!ok)
{
    do_chown = false;
    file_stats = NULL;
}
else if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1
    && chopt->verbosity == V_off
    && ! chopt->root_dev_ino
    && ! chopt->affect_symlink_referent)
{
    do_chown = true;
    file_stats = ent->fts_statp;
}
else
{
    file_stats = ent->fts_statp;

    /* If this is a symlink and we're dereferencing them,
    stat it to get info on the referent. */
    if (chopt->affect_symlink_referent && S_ISLNK (file_stats->st_mode))
    {
        if (fstatat (fts->fts_cwd_fd, file, &stat_buf, 0) != 0)
            /* ... */
{  
  if (! chopt->force_silent)  
    error (0, errno, _("cannot dereference \%s"), 
           quote (file_full_name));  
  ok = false;  
}  

file_stats = &stat_buf;  
}  

do_chown = (ok  
    && (required_uid == (uid_t) -1  
      || required_uid == file_stats->st_uid)  
    && (required_gid == (gid_t) -1  
      || required_gid == file_stats->st_gid));  
}  
/* This happens when chown -LR --preserve-root encounters a symlink-to-/  */  
if (ok  
    && FTSENT_IS_DIRECTORY (ent)  
    && ROOT_DEV_INO_CHECK (chopt->root_dev_ino, file_stats))  
{  
  ROOT_DEV_INO_WARN (file_full_name);  
  return false;  
}  

if (do_chown)  
{  
  if ( ! chopt->affect_symlink_referent)  
    {  
      ok = (lchownat (fts->fts_cwd_fd, file, uid, gid) == 0);  
  }  
  /* Ignore any error due to lack of support; POSIX requires  
     this behavior for top-level symbolic links with -h, and  
     implies that it's required for all symbolic links. */  
  if (!ok && errno == EOPNOTSUPP)  
    {  
      ok = true;  
      symlink_changed = false;  
    }  
  }  
else  
{  
  /* If possible, avoid a race condition with --from=O:G and without the  
     (-h) --no-dereference option. If fts's stat call determined  
     that the uid/gid of FILE matched the --from=O:G-selected  
     owner and group IDs, blindly using chown(2) here could lead  
     chown(1) or chgrp(1) mistakenly to dereference a *symlink*  
    

enum RCH_status err
   = restricted_chown (fts->fts_cwd_fd, file, file_stats, uid, gid,
                      required_uid, required_gid);
switch (err)
{
   case RC_ok:
      break;

   case RC_do_ordinary_chown:
      ok = (chownat (fts->fts_cwd_fd, file, uid, gid) == 0);
      break;

   case RC_error:
      ok = false;
      break;

   case RC_inode_changed:
      /* FIXME: give a diagnostic in this case? */
   case RC_excluded:
      do_chown = false;
      ok = false;
      break;

   default:
      abort();
}

/* On some systems (e.g., GNU/Linux 2.4.x),
the chown function resets the 'special' permission bits.
Do *not* restore those bits; doing so would open a window in
which a malicious user, M, could subvert a chown command run
by some other user and operating on files in a directory
where M has write access. */

if (do_chown && !ok && ! chopt->force_silent)
   error (0, errno, (uid != (uid_t) -1
    ? _("changing ownership of %s")
    : _("changing group of %s")),
   quote (file_full_name));
}

if (chopt->verbosity != V_off)
bool changed =
((do_chown && ok && symlink_changed)
&& ! ((uid == (uid_t) -1 || uid == file_stats->st_uid)
  && (gid == (gid_t) -1 || gid == file_stats->st_gid)))
;
if (changed || chopt->verbosity == V_high)
{
    enum Change_status ch_status =
    (!ok ? CH_FAILED
        : !symlink_changed ? CH_NOT_APPLIED
        : !changed ? CH_NO_CHANGE_REQUESTED
        : CH_SUCCEEDED);
    char *old_usr = file_stats ? uid_to_name (file_stats->st_uid) : NULL;
    char *old.grp = file_stats ? gid_to_name (file_stats->st_gid) : NULL;
    describe_change (file_full_name, ch_status,
                     old_usr, old.grp,
                     chopt->user_name, chopt->group_name);
    free (old_usr);
    free (old.grp);
}

if ( ! chopt->recurse)
fts_set (fts, ent, FTS_SKIP);

return ok;

/* Change the owner and/or group of the specified FILES.
BIT_FLAGS specifies how to treat each symlink-to-directory
that is encountered during a recursive traversal.
CHOPT specifies additional options.
If UID is not -1, then change the owner id of each file to UID.
If GID is not -1, then change the group id of each file to GID.
If REQUIRED_UID and/or REQUIRED_GID is not -1, then change only
files with user ID and group ID that match the non(-1) value(s).
Return true if successful. */
extern bool
chown_files (char **files, int bit_flags,
              uid_t uid, gid_t gid,
              uid_t required_uid, gid_t required_gid,
              struct Chown_option const *chopt)
{
    bool ok = true;

    /* Use lstat and stat only if they're needed. */
    int stat_flags = ((required_uid != (uid_t) -1 || required_gid != (gid_t) -1

|| chopt->affect symlink_referent  
|| chopt->verbosity != V_off) 
? 0 
: FTS_NOSTAT);

FTS *fts = xfts_open (files, bit_flags | stat_flags, NULL);

while (1) 
{  
FTSENT *ent;

ent = fts_read (fts);  
if (ent == NULL) 
{  
if (errno != 0) 
{  
/* FIXME: try to give a better message */  
if (! chopt->force_silent)  
error (0, errno, _("fts_read failed"));  
ok = false;  
}  
break;  
}

ok &= change_file_owner (fts, ent, uid, gid,  
required_uid, required_gid, chopt);
}

if (fts_close (fts) != 0) 
{  
error (0, errno, _("fts_close failed"));  
ok = false;  
}

return ok;
}

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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
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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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* /opt/cola/permits/1110676440_1606843194.97/0/netty-resolver-4-1-32-final-sources-2-jar/io/netty/resolver/DefaultAddressResolverGroup.java
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1.1678 gnutls 3.3.29-9.el7_6

1.1678.1 Available under license:

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for the initial saa7146 driver and its recent overhaul

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for his work on the initial Linux DVB driver

Marcus Metzler <mocm@metzlerbros.de>
Ralph Metzler <rjkm@metzlerbros.de>
for their continuing work on the DVB driver
Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

Martin Schaller <martin@smurf.franken.de>
for patching the cable card decoder driver

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for various fixes regarding tuning, OSD and CI stuff and his work on VDR

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for many bugfixes

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for the driver for the Technisat SkyStar2 PCI DVB card

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for tuning/DiSEqC support for the DEC 3000-s

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for the nxt2004 frontend driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
line to the DVB mailing list)
/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* *
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*     combined, allow nicstar_free_rx_skb to be called to
*     recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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*
* M. Welsh, 6 July 1996
*
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1.1687 kafka-streams-test-utils 2.0.1

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1.1688 grpc-gateway 3.1.9-2.el7

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1.1700 jackson-databind 2.10.0

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1.1704 x-time-rate 0.0.0

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1.1705 queue 1.1.0

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wcwidth.js: JavaScript Porting of Markus Kuhn's wcwidth() Implementation
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# spdx-license-ids


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## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/getting-started/what-is-npm):

```bash
npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `Array<string>`
Open Source Used In MSX Platform Infrastructure 3.10.0 17777

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'Abstyles', 'Adobe-2006', 'Adobe-Glyph', 'ADSL', 'AFL-1.1', ...

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true

ids.includes('GPL-3.0'); //=> false
```

### require('spdx-license-ids/deprecated')

Type: `<Array<string>>`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-3.0', 'eCos-2.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', ...

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
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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-only 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'
}
);
```
```javascript
var unlicensed = {
validForNewPackages: true,
validForOldPackages: true,
unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```
```
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// Original can be found at:
// https://bitbucket.org/lindenlab/llsd
// Modifications by Joshua Bell inexorablesash@gmail.com
// https://github.com/inexorabletash/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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* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
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Qt port of geosimplify.js, https://github.com/mapbox/geosimplify-js

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

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

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

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

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

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

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

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

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

a) The modified work must itself be a software library.

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

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

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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

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

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How to Apply These Terms to Your New Libraries

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

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

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

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

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

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

That's all there is to it!

NPM License Checker

====================


*As of v17.0.0 the `failOn` and `onlyAllow` arguments take semicolons as delimeters instead of commas. Some license names contain commas and it messed with the parsing*

Ever needed to see all the license info for a module and its dependencies?

It's this easy:

```shell
npm install -g license-checker
mkdir foo
cd foo
npm install yui-lint
license-checker
```
You should see something like this:

```none
cli@0.4.3
  repository: http://github.com/chriso/cli
  licenses: MIT
glob@3.1.14
  repository: https://github.com/isaacs/node-glob
  licenses: UNKNOWN
graceful-fs@1.1.14
  repository: https://github.com/isaacs/node-graceful-fs
  licenses: UNKNOWN
inherits@1.0.0
  repository: https://github.com/isaacs/inherits
  licenses: UNKNOWN
jshint@0.9.1
  licenses: MIT
lru-cache@1.0.6
  repository: https://github.com/isaacs/node-lru-cache
  licenses: MIT
lru-cache@2.0.4
  repository: https://github.com/isaacs/node-lru-cache
  licenses: MIT
minimatch@0.0.5
  repository: https://github.com/isaacs/minimatch
  licenses: MIT
minimatch@0.2.9
  repository: https://github.com/isaacs/minimatch
  licenses: MIT
sigmund@1.0.0
  repository: https://github.com/isaacs/sigmund
  licenses: UNKNOWN
yui-lint@0.1.1
  licenses: BSD
  repository: http://github.com/yui/yui-lint
```

An asterisk next to a license name means that it was deduced from
an other file than package.json (README, LICENSE, COPYING, ...)
You could see something like this:

```none
debug@2.0.0
  repository: https://github.com/visionmedia/debug
  licenses: MIT*
```

---

**Open Source Used In MSX Platform Infrastructure 3.10.0 18012**
Options
-------
* `--production` only show production dependencies.
* `--development` only show development dependencies.
* `--start [path of the initial json to look for]`
* `--unknown` report guessed licenses as unknown licenses.
* `--onlyunknown` only list packages with unknown or guessed licenses.
* `--json` output in json format.
* `--csv` output in csv format.
* `--csvComponentPrefix` prefix column for component in csv format.
* `--out [filepath]` write the data to a specific file.
* `--customPath` to add a custom Format file in JSON
* `--exclude [list]` exclude modules which licenses are in the comma-separated list from the output
* `--relativeLicensePath` output the location of the license files as relative paths
* `--summary` output a summary of the license usage,
* `--failOn [list]` fail (exit with code 1) on the first occurrence of the licenses of the semicolon-separated list
* `--onlyAllow [list]` fail (exit with code 1) on the first occurrence of the licenses not in the semicolon-separated list
* `--packages [list]` restrict output to the packages (package@version) in the semicolon-separated list
* `--excludePackages [list]` restrict output to the packages (package@version) not in the semicolon-separated list
* `--excludePrivatePackages` restrict output to not include any package marked as private
* `--direct` look for direct dependencies only

Exclusions
----------
A list of licenses is the simplest way to describe what you want to exclude.

You can use valid [SPDX identifiers](https://spdx.org/licenses/).

You can use valid SPDX expressions like `MIT OR X11`.

You can use non-valid SPDX identifiers, like `Public Domain`, since `npm` does support some license strings that are not SPDX identifiers.

Examples
-------

```
license-checker --json > /path/to/licenses.json
license-checker --csv --out /path/to/licenses.csv
license-checker --unknown
license-checker --customPath customFormatExample.json
license-checker --exclude 'MIT, MIT OR X11, BSD, ISC'
license-checker --packages 'react@16.3.0;react-dom@16.3.0;lodash@4.3.1'
license-checker --excludePackages 'internal-1;internal-2'
license-checker --onlyunknown
```

Custom format
The `--customPath` option can be used with CSV to specify the columns. Note that the first column, `module_name`, will always be used.

When used with JSON format, it will add the specified items to the usual ones.

The available items are the following:
- name
- version
- description
- repository
- publisher
- email
- url
- licenses
- licenseFile
- licenseText
- licenseModified

You can also give default values for each item.
See an example in `customFormatExample.json`.

requiring
---------
```js
var checker = require('license-checker');

checker.init({
  start: '/path/to/start/looking'
}, function(err, packages) {
  if (err) {
    // Handle error
  } else {
    // The sorted package data
    // as an Object
  }
});
```

Debugging
---------

license-checker uses [debug](https://www.npmjs.com/package/debug) for internal logging. There are two internal markers:
Set the `DEBUG` environment variable to one of these to see debug output:

```shell
$ export DEBUG=license-checker*; license-checker
```

How Licenses are Found
----------------------

We walk through the `node_modules` directory with the `read-installed` module. Once we gathered a list of modules we walk through them and look at all of their `package.json`'s. We try to identify the license with the `spdx` module to see if it has a valid SPDX license attached. If that fails, we then look into the module for the following files: `LICENSE`, `LICENCE`, `COPYING`, & `README`.

If one of those files are found (in that order) we will attempt to parse the license data from it with a list of known license texts. This will be shown with the `*` next to the name of the license to show that we "guessed" at it.

**MOZILLA PUBLIC LICENSE**

Version 1.1

1. Definitions.

1.0.1. "Commercial Use" means distribution or otherwise making the Covered Code available to a third party.

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

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1.3. "Covered Code" means the Original Code or Modifications or the combination of the Original Code and Modifications, in each case including portions thereof.

1.4. "Electronic Distribution Mechanism" means a mechanism generally accepted in the software development community for the electronic
transfer of data.

1.5. "Executable" means Covered Code in any form other than Source Code.

1.6. "Initial Developer" means the individual or entity identified as the Initial Developer in the Source Code notice required by Exhibit A.

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

1.8. "License" means this document.

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

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   B. Any new file that contains any part of the Original Code or previous Modifications.

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* Detect unordered_map in stl_hash.m4.

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* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
* Added generation of field number constants.

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Alexander Melnikov <alm@sibmail.ru>
* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>
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* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.

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* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xlC compiler build issues
* Added atomicops for AIX (POWER)
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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, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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

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### v4.0.1 (2016-12-14)

#### WHOOPS

* [fb9b1ce](https://github.com/npm/nopt/commit/fb9b1ce57b3c69b4f7819015be87719204f77ef6)
  Merged so many patches at once that the code fencing
  ([@adius](https://github.com/adius)) added got broken. Sorry,
  ([@adius](https://github.com/adius))!  
  ([@othiym23](https://github.com/othiym23))

### v4.0.0 (2016-12-13)

#### BREAKING CHANGES

* [651d447](https://github.com/npm/nopt/commit/651d4473946096d341a480bbe56793de3fc706aa)
  When parsing String-typed arguments, if the next value is `'"'`, don't simply
  swallow it. ([@samjonester](https://github.com/samjonester))

#### PERFORMANCE TWEAKS

* [3370ce8](https://github.com/npm/nopt/commit/3370ce87a7618ba228883861db84ddbdff252a9)
  Simplify initialization. ([@elidoran](https://github.com/elidoran))
* [356e58e](https://github.com/npm/nopt/commit/356e58e3b3b431a4b1af7fd7bde44c2c0526a09)
  Store `Array.isArray(types[arg])` for reuse.  
  ([@elidoran](https://github.com/elidoran))
* [0d95e90](https://github.com/npm/nopt/commit/0d95e90515844f266015b56d2c80b94e5d14a07e)
  Interpret single-item type arrays as a single type.  
  ([@elidoran](https://github.com/elidoran))
* [07c69d3](https://github.com/npm/nopt/commit/07c69d38b5186450941fbb505550beeb78a0e925)
  Simplify key-value extraction. ([@elidoran](https://github.com/elidoran))
* [39b6e5c](https://github.com/npm/nopt/commit/39b6e5c65ac47f60cd43a1fbeece5cd4c83c254)
  Only call `Date.parse(val)` once. ([@elidoran](https://github.com/elidoran))
* [934943d](https://github.com/npm/nopt/commit/934943defceb55123a2b15959fe2a359319a5dbd)
  Use `os.env.home()` to find a user's home directory instead of assuming it's
  always `$HOME`. ([@othiym23](https://github.com/othiym23))

#### TEST & CI IMPROVEMENTS

* [326fff7](https://github.com/npm/nopt/commit/326fff7f78a00bcd316adecf69075f8a8093619)
  Fix `\tmp` test to work on Windows.  
  ([@elidoran](https://github.com/elidoran))
* [c89d31a](https://github.com/npm/nopt/commit/c89d31a49d14f2238bc6672db08da697bbc57f1b)
  Only run Windows tests on Windows, only run Unix tests on a Unix.  
  ([@elidoran](https://github.com/elidoran))
* [affd3d1](https://github.com/npm/nopt/commit/affd3d1d0addf8a93006397b2013b18447339366)
  Refresh Travis to run the tests against the currently-supported batch of npm
versions. ([@helio](https://github.com/helio)-frota)

* [`55f9449`](https://github.com/npm/nopt/commit/55f94497d163ed4d16dd55fd6c4f95cc440e66d)
  tap@8.0.1` ([@othiym23](https://github.com/othiym23))

#### DOC TWEAKS

* [`5271229`](https://github.com/npm/nopt/commit/5271229ee7c810217dd51616cc086fd5d9ab224581)
  Use JavaScript code block for syntax highlighting. ([@adius](https://github.com/adius))

* [`c0d156f`](https://github.com/npm/nopt/commit/c0d156f229f9994c5dfcec4a8886eef7a07682)
  The code sample in the README had `many2: [ oneThing ]`, and now it has
  `many2: [ two, things ]`. ([@silkentrance](https://github.com/silkentrance))

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*/
void 0;

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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srclib)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec "$\(GEN_DEPS.c\) $<\" \ 
| sed "\(^s/\(.*\)$\)/.o : .\n\) > $@; \
[ -s $@ ] || rm -f $@
%.$(STATIC_O): $(srclib)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec "$\(GEN_DEPS.cc\) $<\" \ 
| sed "\(^s/\(.*\)$\)/.o : .\n\) > $@; \
[ -s $@ ] || rm -f $@"
## Versioned libraries rules

%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s {*F}.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS=-Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

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If you want to write an option parser, and have it be good, there are

two ways to do it. The Right Way, and the Wrong Way.

The Wrong Way is to sit down and write an option parser. We've all done

that.

The Right Way is to write some complex configurable program with so many
options that you hit the limit of your frustration just trying to manage them all, and defer it with duct-tape solutions until you see exactly to the core of the problem, and finally snap and write an awesome option parser.

If you want to write an option parser, don't write an option parser. Write a package manager, or a source control system, or a service restarter, or an operating system. You probably won't end up with a good one of those, but if you don't give up, and you are relentless and diligent enough in your procrastination, you may just end up with a very nice option parser.

## USAGE

```javascript
// my-program.js
var nopt = require("nopt")
, Stream = require("stream").Stream
, path = require("path")
, knownOpts = {
  "foo" : [String, null]
,  "bar" : [Stream, Number]
,  "baz" : path
,  "bloo" : [ "big", "medium", "small" ]
,  "flag" : Boolean
,  "pick" : Boolean
,  "many1" : [String, Array]
,  "many2" : [path, Array]
}
, shortHands = {
  "foofoo" : ["--foo", "Mr. Foo"]
,  "b7" : ["--bar", "7"]
,  "m" : ["--bloo", "medium"]
,  "p" : ["--pick"]
,  "f" : ["--flag"]
}

// everything is optional.
// knownOpts and shorthands default to {}
// arg list defaults to process.argv
// slice defaults to 2
, parsed = nopt(knownOpts, shortHands, process.argv, 2)
console.log(parsed)
```

This would give you support for any of the following:

```console
$ node my-program.js --foo "blerp" --no-flag
{ "foo" : "blerp", "flag" : false }
```
$ node my-program.js --bar 7 --foo "Mr. Hand" --flag
{ bar: 7, foo: "Mr. Hand", flag: true }

$ node my-program.js --foo "blerp" -f -----p
{ foo: "blerp", flag: true, pick: true }

$ node my-program.js -fp --foofoo
{ foo: "Mr. Foo", flag: true, pick: true }

$ node my-program.js --foofoo --fp # -- stops the flag parsing.
{ foo: "Mr. Foo", argv: { remain: ["-fp"] } }

$ node my-program.js --blatzk -fp # unknown opts are ok.
{ blatzk: true, flag: true, pick: true }

$ node my-program.js --blatzk=1000 -fp # but you need to use = if they have a value
{ blatzk: 1000, flag: true, pick: true }

$ node my-program.js --no-blatzk -fp # unless they start with "no-
{ blatzk: false, flag: true, pick: true }

$ node my-program.js --baz b/a/z # known paths are resolved.
{ baz: "/Users/isaacs/b/a/z" }

# if Array is one of the types, then it can take many
# values, and will always be an array. The other types provided
# specify what types are allowed in the list.

$ node my-program.js --many1 5 --many1 null --many1 foo
{ many1: ["5", "null", "foo"] }

$ node my-program.js --many2 foo --many2 bar
{ many2: ["/path/to/foo", "path/to/bar"] }
```
* Boolean: Must be either `true` or `false`. If an option is a boolean, then it does not need a value, and its presence will imply `true` as the value. To negate boolean flags, do `--no-whatever` or `--whatever false`  
* NaN: Means that the option is strictly not allowed. Any value will fail.  
* Stream: An object matching the "Stream" class in node. Valuable for use when validating programmatically. (npm uses this to let you supply any WriteStream on the `outfd` and `logfd` config options.)  
* Array: If `Array` is specified as one of the types, then the value will be parsed as a list of options. This means that multiple values can be specified, and that the value will always be an array.

If a type is an array of values not on this list, then those are considered valid values. For instance, in the example above, the `--bloo` option can only be one of "big", "medium", or "small", and any other value will be rejected.

When parsing unknown fields, "true", "false", and "null" will be interpreted as their JavaScript equivalents.

You can also mix types and values, or multiple types, in a list. For instance `{ blah: [Number, null] }` would allow a value to be set to either a Number or null. When types are ordered, this implies a preference, and the first type that can be used to properly interpret the value will be used.

To define a new type, add it to `nopt.typeDefs`. Each item in that hash is an object with a `type` member and a `validate` method. The `type` member is an object that matches what goes in the type list. The `validate` method is a function that gets called with `validate(data, key, val)`. Validate methods should assign `data[key]` to the valid value of `val` if it can be handled properly, or return boolean `false` if it cannot.

You can also call `nopt.clean(data, types, typeDefs)` to clean up a config object and remove its invalid properties.

## Error Handling

By default, nopt outputs a warning to standard error when invalid values for known options are found. You can change this behavior by assigning a method to `nopt.invalidHandler`. This method will be called with the offending `nopt.invalidHandler(key, val, types)`.

If no `nopt.invalidHandler` is assigned, then it will console.error its whining. If it is assigned to boolean `false` then the warning is suppressed.
## Abbreviations

Yes, they are supported. If you define options like this:

```javascript
{ "foolhardyelephants" : Boolean
, "pileofmonkeys" : Boolean }
```

Then this will work:

```bash
node program.js --foolhar --pil
node program.js --no-f --pileofmon
# etc.
```

## Shorthands

Shorthands are a hash of shorter option names to a snippet of args that they expand to.

If multiple one-character shorthands are all combined, and the combination does not unambiguously match any other option or shorthand, then they will be broken up into their constituent parts. For example:

```json
{ "s" : ["--loglevel", "silent"]
, "g" : "--global"
, "f" : "--force"
, "p" : "--parseable"
, "l" : "--long"
}
```

```bash
npm ls -sgflp
# just like doing this:
npm ls --loglevel silent --global --force --long --parseable
```

## The Rest of the args

The config object returned by nopt is given a special member called `argv`, which is an object with the following fields:

* `remain`: The remaining args after all the parsing has occurred.
## Slicing

Node programs are called with more or less the exact argv as it appears in C land, after the v8 and node-specific options have been plucked off. As such, `argv[0]` is always `node` and `argv[1]` is always the JavaScript program being run.

That's usually not very useful to you. So they're sliced off by default. If you want them, then you can pass in `0` as the last argument, or any other number that you'd like to slice off the start of the list.

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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-only OR BSD-2-Clause'), validSPDXExpression);
```

... except if they contain 'LicenseRef':
```javascript
```
```
var unlicensed = {
    validForNewPackages: true,
    validForOldPackages: true,
    unlicensed: true
};
assert.deepEqual(valid('UNLICENSED'), unlicensed);
assert.deepEqual(valid('UNLICENCED'), unlicensed);
```

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# spdx-license-ids


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

## Installation

[Download JSON directly](https://raw.githubusercontent.com/shinnn/spdx-license-ids/master/index.json), or [use](https://docs.npmjs.com/cli/install) [npm](https://docs.npmjs.com/about-npm):

```shell
npm install spdx-license-ids
```

## [Node.js](https://nodejs.org/) API

### require('spdx-license-ids')

Type: `string[]`

All license IDs except for the currently deprecated ones.

```javascript
const ids = require('spdx-license-ids');
//=> ['0BSD', 'AAL', 'ADSL', 'AFL-1.1', 'AFL-1.2', 'AFL-2.0', 'AFL-2.1', 'AFL-3.0', 'AGPL-1.0-only', ...]

ids.includes('BSD-3-Clause'); //=> true
ids.includes('CC-BY-1.0'); //=> true
ids.includes('GPL-3.0'); //=> false
```
### require('spdx-license-ids/deprecated')

Type: `string[]`

Deprecated license IDs.

```javascript
const deprecatedIds = require('spdx-license-ids/deprecated');
//=> ['AGPL-1.0', 'AGPL-3.0', 'GFDL-1.1', 'GFDL-1.2', 'GFDL-1.3', 'GPL-1.0', 'GPL-2.0', ...]

deprecatedIds.includes('BSD-3-Clause'); //=> false
deprecatedIds.includes('CC-BY-1.0'); //=> false

deprecatedIds.includes('GPL-3.0'); //=> true
...
```

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Specifically, the GPL parts of FFmpeg are:

- `libpostproc`
- optional x86 optimization in the files
  - `libavcodec/x86/flac_dsp_gpl.asm`
  - `libavcodec/x86/idct_mmx.c`
  - `libavfilter/x86/vf_removegrain.asm`
- the following building and testing tools
  - `compat/solaris/make_sunver.pl`
  - `doc/t2h.pm`
  - `doc/texi2pod.pl`
  - `libsresample/tests/swresample.c`
  - `tests/checkasm/*`
  - `tests/tiny_ssim.c`
- the following filters in libavfilter:
- `signature_lookup.c`
- `vf_blackframe.c`
- `vf_boxblur.c`
- `vf_colormatrix.c`
- `vf_cover_rect.c`
- `vf_cropdetect.c`
- `vf_delogo.c`
- `vf_eq.c`
- `vf_find_rect.c`
- `vf_fspp.c`
- `vf_geq.c`
- `vf_histeq.c`
- `vf_hqdn3d.c`
- `vf_kerndeint.c`
- `vf_lensfun.c` (GPL version 3 or later)
- `vf_mcdeint.c`
- `vf_mpdecimate.c`
- `vf_nnedi.c`
- `vf_owdenoise.c`
- `vf_perspective.c`
- `vf_phase.c`
- `vf_pp.c`
- `vf_pp7.c`
- `vf_pullup.c`
- `vf_repeatfields.c`
- `vf_sab.c`
- `vf_signature.c`
- `vf_smartblur.c`
- `vf_spp.c`
- `vf_stereo3d.c`
- `vf_super2xsai.c`
- `vf_tinterlace.c`
- `vf_uspp.c`
- `vf_vaguedenoiser.c`
- `vsrc_mptestsrc.c`

Should you, for whatever reason, prefer to use version 3 of the (L)GPL, then the configure parameter `--enable-version3` will activate this licensing option for you. Read the file `COPYING.LGPLv3` or, if you have enabled GPL parts, `COPYING.GPLv3` to learn the exact legal terms that apply in this case.

There are a handful of files under other licensing terms, namely:

* The files `libavcodec/jfdctfst.c`, `libavcodec/jfdctint_template.c` and `libavcodec/jrevdct.c` are taken from libjpeg, see the top of the files for licensing details. Specifically note that you must credit the IJG in the documentation accompanying your program if you only distribute executables. You must also indicate any changes including additions and deletions to
those three files in the documentation.
* `tests/reference.pnm` is under the expat license.

## External libraries

FFmpeg can be combined with a number of external libraries, which sometimes affect the licensing of binaries resulting from the combination.

### Compatible libraries

The following libraries are under GPL version 2:
- avisynth
- frei0r
- libcdio
- libdavs2
- librubberband
- libvidstab
- libx264
- libx265
- libxavs
- libxavs2
- libxvid

When combining them with FFmpeg, FFmpeg needs to be licensed as GPL as well by passing `--enable-gpl` to configure.

The following libraries are under LGPL version 3:
- gmp
- libaribb24
- liblensfun

When combining them with FFmpeg, use the configure option `--enable-version3` to upgrade FFmpeg to the LGPL v3.

The VMAF, mbedTLS, RK MPI, OpenCORE and VisualOn libraries are under the Apache License 2.0. That license is incompatible with the LGPL v2.1 and the GPL v2, but not with version 3 of those licenses. So to combine these libraries with FFmpeg, the license version needs to be upgraded by passing `--enable-version3` to configure.

The smbclient library is under the GPL v3, to combine it with FFmpeg, the options `--enable-gpl` and `--enable-version3` have to be passed to configure to upgrade FFmpeg to the GPL v3.

### Incompatible libraries

There are certain libraries you can combine with FFmpeg whose licenses are not compatible with the GPL and/or the LGPL. If you wish to enable these
libraries, even in circumstances that their license may be incompatible, pass `--enable-nonfree` to configure. This will cause the resulting binary to be unredistributable.

The Fraunhofer FDK AAC and OpenSSL libraries are under licenses which are incompatible with the GPLv2 and v3. To the best of our knowledge, they are compatible with the LGPL.
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Credits: is based on Firefox's nsSMILKeySpline.cpp
Usage:
var spline = BezierEasing([ 0.25, 0.1, 0.25, 1.0 ])
spline.get(x) => returns the easing value | x must be in [0, 1] range
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language: node_js

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- '0.12'
- '4'
- '6'
- '7'

before_install:
- npm install -g npm@latest

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/*
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*/

var checker = require('../lib/index');

var args = require('../lib/args').parse();
var mkdirp = require('mkdirp');
var path = require('path');
var chalk = require('chalk');
var fs = require('fs');

if (args.help) {
    console.error('license-checker@' + require('../package.json').version);
    var usage = [
        '',
        '  --production only show production dependencies.',
        '  --development only show development dependencies.',
        '  --unknown report guessed licenses as unknown licenses.',
        '  --start [path of the initial json to look for]',
        '  --onlyunknown only list packages with unknown or guessed licenses.',
        '  --json output in json format.',
        '  --csv output in csv format.',
        '  --csvComponentPrefix column prefix for components in csv file',
        '  --out [filepath] write the data to a specific file',
        '  --customPath to add a custom Format file in JSON',
        '  --exclude [list] exclude modules which licenses are in the comma-separated list from the output',
        '  --relativeLicensePath output the location of the license files as relative paths',
    ];

'--summary output a summary of the license usage',
'--failOn [list] fail (exit with code 1) on the first occurrence of the licenses of the semicolon-separated list',
'--onlyAllow [list] fail (exit with code 1) on the first occurrence of the licenses not in the semicolon-seperated list',
'--direct look for direct dependencies only',
'--packages [list] restrict output to the packages (package@version) in the semicolon-seperated list',
'--excludePackages [list] restrict output to the packages (package@version) not in the semicolon-seperated list',
'--excludePrivatePackages restrict output to not include any package marked as private',
'
};

console.error(usage.join('
'), '
');
process.exit(0);
}

if (args.version) {
    console.error(require('../package.json').version);
    process.exit(1);
}

if (args.failOn && args.onlyAllow) {
    console.error('--failOn and --onlyAllow can not be used at the same time. Choose one or the other.);
    process.exit(1);
} else {
    var argValue = args.failOn || args.onlyAllow;
    if (argValue && argValue.indexOf(',') >= 0) {
        var argName = args.failOn ? 'failOn' : 'onlyAllow';
        console.warn('Warning: As of v17 the --' + argName + ' argument takes semicolons as delimeters instead of commas (some license names can contain commas)');
    }
}

checker.init(args, function(err, json) {

    var formattedOutput = "";

    if (!err) {
        console.error('Found error');
        console.error(err);
    }

    if (shouldColorizeOutput(args)) {
        var keys = Object.keys(json);
        keys.forEach(function(key) {
            var keyParts = key.split('@');
            // Further processing...
        });
    }

    // Further processing...
});
var colorizedKey = chalk.blue(keyParts[0]) + chalk.dim('@') + chalk.green(keyParts[1]);
json[colorizedKey] = json[key];
delete json[key];
});

if (args.json) {
    formattedOutput = JSON.stringify(json, null, 2) + '
';
} else if (args.csv) {
    formattedOutput = checker.asCSV(json, args.customFormat, args.csvComponentPrefix);
} else if (args.markdown){
    formattedOutput = checker.asMarkDown(json, args.customFormat) + '
';
} else if (args.summary) {
    formattedOutput = checker.asSummary(json);
} else {
    formattedOutput = checker.asTree(json);
}

if (args.files) {
    checker.asFiles(json, args.files);
} else if (args.out) {
    var dir = path.dirname(args.out);
    mkdirp.sync(dir);
    fs.writeFileSync(args.out, formattedOutput, 'utf8');
} else {
    console.log(formattedOutput);
}

function shouldColorizeOutput(args) {
    return args.color && !args.out && !(args.csv || args.json || args.markdown);
}

# This file contains a list of people who've made non-trivial
# contribution to the Google C++ Testing Framework project. People
# who commit code to the project are encouraged to add their names
# here. Please keep the list sorted by first names.

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 * SpanDSP - a series of DSP components for telephony
 *
 * g722_decode.c - The ITU G.722 codec, decode part.
 *
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 *
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 */
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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
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from a designated place, offer equivalent access to copy the above
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"Open Source Qt" shall mean the non-commercial Qt computer software products, licensed under the terms of the GNU Lesser General Public License, version 2.1 or later ("LGPL") or the GNU General Public License, version 2.0 or later ("GPL"). For clarity, Open Source Qt shall not be provided nor governed under this Agreement.

"Party" or "Parties" shall mean Licensee and/or The Qt Company.

"Permitted Software" shall mean any (i) open source software (excluding Open Source Qt) that is a) generally available for public in source code form without additional cost under any of the licenses approved by Open Source Initiative as listed on https://opensource.org/licenses; and (b) is in no way, directly or indirectly, developed by or for or otherwise related to or in the interest of the Licensee or its Affiliates, or (ii) software The Qt Company has made available via its Qt Marketplace online distribution channel.
"Pre-Release Code" shall have the meaning as set forth in Section 4.

"Prohibited Combination" shall mean any means to (i) use, combine, incorporate, link or integrate Licensed Software with any software created with or incorporating Open Source Qt, (ii) use Licensed Software for creation of any software created with or incorporating Open Source Qt, or (iii) incorporate or integrate Applications into a hardware device or product other than a Device.

"Qt 3D Studio" shall mean The Qt Company's productized offering, which consist of all versions of modules and tools as set forth in Appendix 1.

"Qt Design Studio" shall mean The Qt Company's productized offering, which consist of all versions of modules and tools as set forth in Appendix 1.

"Qt for Application Development" shall mean The Qt Company's productized offering, which consist of all versions of modules and tools as set forth in Appendix 1.

"Qt for Device Creation" shall mean The Qt Company's productized offering, which consist of all versions of modules and tools as set forth in Appendix 1.

"Qt for MCUs" shall mean The Qt Company's productized offering, which consist of all versions of modules and tools as set forth in Appendix 1.

"Redistributables" shall mean the portions of the Licensed Software set forth in Appendix 1 that may be distributed pursuant to the terms of this Agreement in object code form only, including any relevant documentation. Where relevant, any reference to Licensed Software in this Agreement shall include and refer also to Redistributables.

"Renewal Term" shall mean an extension of previous License Term as agreed between the Parties.

"Submitted Modified Software" shall have the meaning as set forth in Section 2.3.

"Support" shall mean standard developer support that is provided by The Qt Company to assist Designated Users in using the Licensed Software in accordance with The Qt Company's standard support terms available at https://www.qt.io/terms-conditions/ and as further defined in Section 8 hereunder.

"Taxes" shall have the meaning set forth in Section 10.5.

"Term" shall have the meaning set forth in Section 12.

"The Qt Company" shall mean:
(i) in the event Licensee is an individual residing in the United States or a legal entity incorporated in the United States or having its headquarters in the United States, The Qt Company Inc., a Delaware corporation with its office at 2350 Mission College Blvd., Suite 1020, Santa Clara, CA 95054, USA.; or
(ii) in the event the Licensee is an individual residing outside of the United States or a legal entity incorporated outside of the United States or having its registered office outside of the United States, The Qt Company Ltd., a Finnish company with its registered office at Bertel Jungin aukio D3A, 02600 Espoo, Finland.

"Third-Party Software" shall have the meaning set forth in Section 4.

"Updates" shall mean a release or version of the Licensed Software containing bug fixes, error corrections and other changes that are generally made available to users of the Licensed Software that have contracted for Support. Updates are generally depicted as a change to the digits following the decimal in the Licensed Software version number. The Qt Company shall make Updates available to the Licensee under the Support. Updates shall be considered as part of the Licensed Software hereunder.

"Upgrades" shall mean a release or version of the Licensed Software containing enhancements and new features and are generally depicted as a change to the first digit of the Licensed Software version number. In the event Upgrades are provided to the Licensee under this Agreement, they shall be considered as part of the Licensed Software hereunder.

2. OWNERSHIP

2.1. Ownership of The Qt Company
The Licensed Software is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The Licensed Software is licensed, not sold.

All of The Qt Company's Intellectual Property Rights are and shall remain the exclusive property of The Qt Company or its licensors respectively.

2.2. Ownership of Licensee
All the Licensee's Intellectual Property Rights are and shall remain the exclusive property of the Licensee or its licensors respectively.

All Intellectual Property Rights to the Modified Software, Applications and Devices shall remain with the Licensee and no rights thereto shall be granted by the Licensee to The Qt Company under this Agreement (except as set forth in Section 2.3 below).

2.3. Modified Software
Licensee may create bug-fixes, error corrections, patches or modifications to
the Licensed Software ("Modified Software"). Such Modified Software may break the source or binary compatibility with the Licensed Software (including without limitation through changing the application programming interfaces ("API") or by adding, changing or deleting any variable, method, or class signature in the Licensed Software and/or any inter-process protocols, services or standards in the Licensed Software libraries). To the extent that Licensee's Modified Software so breaks source or binary compatibility with the Licensed Software, Licensee acknowledges that The Qt Company's ability to provide Support may be prevented or limited and Licensee's ability to make use of Updates may be restricted.

Licensee may, at its sole and absolute discretion, choose to submit Modified Software to The Qt Company ("Submitted Modified Software") in connection with Licensee's Support request, service request or otherwise. In the event Licensee does so, then, Licensee hereby grants The Qt Company a sublicensable, assignable, irrevocable, perpetual, worldwide, non-exclusive, royalty-free and fully paid-up license, under all of Licensee's Intellectual Property Rights, to reproduce, adapt, translate, modify, and prepare derivative works of, publicly display, publicly perform, sublicense, make available and distribute such Submitted Modified Software as The Qt Company sees fit at its free and absolute discretion.

3. LICENSES GRANTED

3.1. Development with Licensed Software
Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable license, valid for the License Term, to use, modify and copy the Licensed Software by Designated Users on the Development Platforms for the sole purposes of designing, developing, demonstrating and testing Application(s) and/or Devices, and to provide thereto related support and other related services to end-user Customers. Each Application and/or Device can only include, incorporate or integrate code generated under this Agreement by such Designated Users who are duly licensed for the applicable Development Platform(s) and Deployment Platform(s) (i.e have a valid license for the appropriate Licensed Software product).

Licensee may install copies of the Licensed Software on five (5) computers per Designated User, provided that only the Designated Users who have a valid Development License may use the Licensed Software.

Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying The Qt Company in writing, provided that any Designated User may be replaced only once during any six-month period.

Upon expiry of the initially agreed License Term, the respective License Terms shall be automatically extended to one or more Renewal Term(s), unless and until either Party notifies the other Party in writing that it does not wish to continue the License Term, such notification to be provided to the other Party no less than thirty (30) days before expiry of the respective License Term.
Term,

Unless otherwise agreed between the Parties, Renewal Term shall be of equal length with the initial License Term.

Any such Renewal Term shall be subject to License Fees agreed between the Parties or, if no advance agreement exists, subject to The Qt Company's standard pricing applicable at the commencement date of any such Renewal Term.

Any price or other term specified for a Renewal Term shall be valid only for the specified time.

The Qt Company may request the Licensee to place a purchase order corresponding to a quote by The Qt Company for the relevant Renewal Term.

In the event Licensee does not prevent auto-renewal pursuant the above, but a Renewal Term is nevertheless not duly ordered within 30 days from the date of the respective notification from The Qt Company and/or the respective License Fee paid by due date specified in The Qt Company's respective invoice, The Qt Company shall apply a reinstatement fee equal to ten percent (10 %) of the total value of the License Fees of the Development Licenses for the expired term to be added to the License Fee of the respective Renewal Term.

In the event Licensee chooses not to renew a Development License for a Renewal Term by notifying The Qt Company thereof no less than thirty (30) days before expiry of the respective License Term, Licensee may still reinstate such expired Development Licenses for a Renewal Term subject to applicable renewal Term License Fees until thirty (30) days from the expiry of the initially agreed License Term or preceding Renewal Term. After such thirty (30) day period a Development License shall be subject to applicable License Fees for a new Development License and not any Renewal Term License Fees.

3.2. Distribution of Applications

Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable, revocable (for cause pursuant to this Agreement) right and license, valid for the Term, to

(i) distribute, by itself or through its Contractors, Redistributables as installed, incorporated or integrated into Applications for execution on the Deployment Platforms, and
(ii) grant sublicenses to Redistributables, as distributed hereunder, for Customers solely for Customer's internal use and to the extent necessary in order for the Customers to use the Applications for their respective intended purposes.

Right to distribute the Redistributables as part of an Application as provided herein is not royalty-bearing but is conditional upon the Licensee not having any unpaid License Fees for Development Licenses owed to The Qt Company at the time of distribution of any Redistributables to Customers.
3.3. Distribution of Devices
Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable, revocable (for cause pursuant to this Agreement) right and license, valid for the Term, to

(i) distribute, by itself or through one or more tiers of Contractors, Redistributables as installed, incorporated or integrated, or intended to be installed, incorporated or integrated into Devices for execution on the Deployment Platforms, and

(ii) grant sublicenses to Redistributables, as distributed hereunder, for Customers solely for Customer's internal use and to the extent necessary in order for the Customers to use the Devices for their respective intended purposes.

Right to distribute the Redistributables with Devices as provided herein is conditional upon the Licensee (i) not having any unpaid License Fees for Development Licenses owed to The Qt Company, and (ii) having purchased and paid corresponding Distribution Licenses at the time of distribution of any Redistributables to Customers.

3.4. Further Requirements
The licenses granted above in this Section 3 by The Qt Company to Licensee are conditional and subject to Licensee's compliance with the following terms:

(i) Licensee shall not remove or alter any copyright, trademark or other proprietary rights notice(s) contained in any portion of the Licensed Software;

(ii) Applications must add primary and substantial functionality to the Licensed Software so as not to compete with the Licensed Software;

(iii) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; provided however that Licensee may use the Licensed Software's scripting and QML ("Qt Quick") functionality solely in order to enable scripting, themes and styles that augment the functionality and appearance of the Application(s) without adding primary and substantial functionality to the Application(s);

(iv) Licensee shall not use Licensed Software in any manner or for any purpose that infringes, misappropriates or otherwise violates any Intellectual property or right of any third party, or that violates any applicable law;

(v) Licensee shall not use The Qt Company's or any of its suppliers' names, logos, or trademarks to market Applications, except that Licensee may use "Built with Qt" logo to indicate that Application(s) was developed using the Licensed Software;

(vi) Licensee shall not distribute, sublicense or disclose source code of Licensed Software to any third party (provided however that Licensee may appoint employee(s) of Contractors as Designated Users to use Licensed Software pursuant to this Agreement). Such right may be available for the Licensee subject to a separate
software development kit ("SDK") license agreement to be concluded with The Qt Company;

(vii) Licensee shall not grant the Customers a right to (i) make copies of the Redistributables except when and to the extent required to use the Applications and/or Devices for their intended purpose, (ii) modify the Redistributables or create derivative works thereof, (iii) decompile, disassemble or otherwise reverse engineer Redistributables, or (iv) redistribute any copy or portion of the Redistributables to any third party, except as part of the onward sale of the Device on which the Redistributables are installed;

(viii) Licensee shall not and shall cause that its Affiliates or Contractors shall not use Licensed Software in any Prohibited Combination, unless Licensee has received an advance written permission from The Qt Company to do so. Absent such written permission, any and all distribution by the Licensee during the Term of a hardware device or product a) which incorporate or integrate any part of Licensed Software or Open Source Qt; or b) where the main user interface or substantial functionality is provided by software built with Licensed Software or Open Source Qt or otherwise depends on the Licensed Software or Open Source Qt, shall be considered to be Device distribution under this Agreement and shall be dependent on Licensee's compliance thereof (including but not limited to obligation to pay applicable License Fees for such distribution). Notwithstanding what is provided above in this sub-section (viii), Licensee is entitled to use and combine Licensed Software with any Permitted Software;

(ix) Licensee shall cause all of its Affiliates and Contractors entitled to make use of the licenses granted under this Agreement, to be contractually bound to comply with the relevant terms of this Agreement and not to use the Licensed Software beyond the terms hereof and for any purposes other than operating within the scope of their services for Licensee. Licensee shall be responsible for any and all actions and omissions of its Affiliates and Contractors relating to the Licensed Software and use thereof (including but not limited to payment of all applicable License Fees);

(x) Except when and to the extent explicitly provided in this Section 3, Licensee shall not transfer, publish, disclose, display or otherwise make available the Licensed Software; and

(xi) Licensee shall not attempt or enlist a third party to conduct or attempt to conduct any of the above.

Above terms shall not be applicable if and to the extent they conflict with any mandatory provisions of any applicable laws. Any use of Licensed Software beyond the provisions of this Agreement is strictly prohibited and requires an additional license from The Qt Company.

4. THIRD-PARTY SOFTWARE
The Licensed Software may provide links to third party libraries or code (collectively "Third-Party Software") to implement various functions. Third-Party Software does not comprise part of the Licensed Software. In some cases, access to Third-Party Software may be included with the Licensed Software. Such Third-Party Software will be listed in the "/src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software, as such may be amended from time to time. Licensee acknowledges that use or distribution of Third-Party Software is in all respects subject to applicable license terms of applicable third-party right holders.

5. PRE-RELEASE CODE

The Licensed Software may contain pre-release code and functionality, or sample code marked or otherwise stated with appropriate designation such as "Technology Preview", "Alpha", "Beta", "Sample" etc. ("Pre-Release Code").

Such Pre-Release Code may be present complimentary for the Licensee, in order to provide experimental support or information for new platforms or preliminary versions of one or more new functionalities or for other similar reasons. The Pre-Release Code may not be at the level of performance and compatibility of a final, generally available, product offering. The Pre-Release Code may not operate correctly, may contain errors and may be substantially modified by The Qt Company prior to the first commercial product release, if any. The Qt Company is under no obligation to make Pre-Release Code commercially available, or provide any Support or Updates relating thereto. The Qt Company assumes no liability whatsoever regarding any Pre-Release Code, but any use thereof is exclusively at Licensee's own risk and expense.

For clarity, unless Licensed Software specifies different license terms for the respective Pre-Release Code, the Licensee is entitled to use such pre-release code pursuant to Section 3, just like other Licensed Software, provided however that in the event Add-on Products are included and available as such Pre-Release Code, Licensee's right to use such Add-on Products is nevertheless subject to and conditional upon conclusion of separate agreement with The Qt Company.

6. LIMITED WARRANTY AND WARRANTY DISCLAIMER

The Qt Company hereby represents and warrants that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement.

Except as set forth above, the Licensed Software is licensed to Licensee "as is" and Licensee's exclusive remedy and The Qt Company's entire liability for errors in the Licensed Software shall be limited, at The Qt Company's option, to correction of the error, replacement of the Licensed Software or return of the applicable fees paid for the defective Licensed Software for the time period during which the License is not able to utilize the Licensed
Software under the terms of this Agreement.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE QT COMPANY ON BEHALF OF ITSELF AND ITS LICENSORS, SUPPLIERS AND AFFILIATES, DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT WITH REGARD TO THE LICENSED SOFTWARE. THE QT COMPANY DOES NOT WARRANT THAT THE LICENSED SOFTWARE WILL SATISFY LICENSEE'S REQUIREMENTS OR THAT IT WILL OPERATE WITHOUT DEFECT OR ERROR OR THAT THE OPERATION THEREOF WILL BE UNINTERRUPTED.

7. INDEMNIFICATION AND LIMITATION OF LIABILITY

7.1. Limitation of Liability
EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY LOSS OF PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THIS AGREEMENT.

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY'S TOTAL AGGREGATE LIABILITY UNDER THIS AGREEMENT EXCEED THE AGGREGATE LICENSE FEES PAID OR PAYABLE TO THE QT COMPANY FROM LICENSEE DURING THE PERIOD OF TWELVE (12) MONTHS IMMEDIATELY PRECEDING THE EVENT RESULTING IN SUCH LIABILITY.

THE PROVISIONS OF THIS SECTION 7 ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE QT COMPANY AND LICENSEE AND THE PARTIES HAVE RELIED UPON THE LIMITATIONS SET FORTH HEREIN IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT.

NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS AGREEMENT, LICENSEE SHALL ALWAYS BE LIABLE TO PAY THE APPLICABLE LICENSE FEES CORRESPONDING TO ITS ACTUAL USE OF LICENSED SOFTWARE.

8. SUPPORT, UPDATES AND ONLINE SERVICES

Upon due payment of the agreed License Fees the Licensee will be eligible to receive Support and Updates and to use the Online Services during the License Term, provided, however, that in the event the License Term is longer than 36 months, the initial payment includes Support for only the first 12 months, unless the Parties specifically otherwise agree.

Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be included in the Support but may be available subject to additional fees.
From time to time The Qt Company may change the Support terms, provided that during the respective ongoing License Term the level of Support provided by The Qt Company may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to Customers.

9. CONFIDENTIALITY

Each Party acknowledges that during the Term of this Agreement each Party may receive information about the other Party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.

The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade
secrets, for so long as such trade secrets are protected under applicable trade secret laws.

10. FEES, DELIVERY AND PAYMENT

10.1. License Fees
License Fees are described in The Qt Company's standard price list, quote or Purchase Order confirmation or in an appendix hereto, as the case may be.

The License Fees shall not be refunded or claimed as a credit in any event or for any reason whatsoever.

10.2. Ordering Licenses
Licensee may purchase Development Licenses and Distribution Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase. Unless specifically otherwise provided, any pricing terms referenced in this Agreement shall be valid for twelve (12) months from the date of this Agreement.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the Parties.

10.3. Distribution License Packs
Unless otherwise agreed, Distribution Licenses shall be purchased by way of Distribution License Packs.

Upon due payment of the ordered Distribution License Pack(s), the Licensee will have an account of Distribution Licenses available for distributing the Redistributables in accordance with this Agreement.

Each time Licensee distributes a copy of Redistributables, then one Distribution License is used, and Licensee's account of available Distribution Licenses is decreased accordingly.

Licensee may distribute copies of the Redistributables so long as Licensee has Distribution Licenses remaining on its account.

10.4. Payment Terms
License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee.
A late payment charge of the lower of (a) one percent per month; or (b) the interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due.

10.5. Taxes
All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax, withholding tax and other taxes, duties or tariffs ("Taxes") levied directly for the sale, delivery or use of Licensed Software hereunder pursuant to any applicable law. Such applicable Taxes shall be paid by Licensee to The Qt Company, or, where applicable, in lieu of payment of such Taxes to The Qt Company, Licensee shall provide an exemption certificate to The Qt Company and any applicable authority.

11. RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS

11.1. Licensee's Record-keeping
Licensee shall at all times during the Term of this Agreement and for a period of seven (7) years thereafter maintain Licensee's Records in an accurate and up-to-date form. Licensee's Records shall be adequate to reasonably enable The Qt Company to determine Licensee's compliance with the provisions of this Agreement. The records shall conform to general good accounting practices.

Licensee shall, within thirty (30) days from receiving The Qt Company's request to that effect, deliver to The Qt Company a report based on Licensee's Records, such report to contain information, in sufficient detail, on (i) number and identity of users working with Licensed Software or Open Source Qt, (ii) copies of Redistributables distributed by Licensee during the most recent calendar quarter and/or any other term specified by The Qt Company, (iii) number of undistributed copies of Redistributables and corresponding number of unused Distribution Licenses remaining on Licensee's account, and (iv) any other information as The Qt Company may reasonably require from time to time.

11.2. The Qt Company's Audit Rights
The Qt Company or an independent auditor acting on behalf of The Qt Company's, may, upon at least five (5) business days' prior written notice and at its expense, audit Licensee with respect to the Licensee's use of the Licensed Software, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records and conduct necessary interviews of Licensee's relevant employees and
Contractors. All such Licensee’s Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee agrees to pay The Qt Company any amounts owed for such unauthorized use within 30 days from receipt of the corresponding invoice from The Qt Company.

In addition, in the event the audit reveals a material violation of the terms of this Agreement (without limitation, either (i) underpayment of more than 10% of License Fees or 10,000 euros (whichever is more) or (ii) distribution of products, which include or result from Prohibited Combination, shall be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12. TERM AND TERMINATION
12.1. Agreement Term
This Agreement shall enter into force upon due acceptance by both Parties and remain in force for as long as there is any Development License(s) purchased under this Agreement in force (“Term”), unless and until terminated pursuant to the terms of this Section 12.

12.2. Termination and suspension of rights
Either Party shall have the right to terminate this Agreement upon thirty (30) days prior written notice if the other Party commits a material breach of any obligation of this Agreement and fails to remedy such breach within such notice period.

Instead of termination, The Qt Company shall have the right to suspend or withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Development Licenses, Distribution License, and Support, should Licensee fail to make payment in timely fashion or otherwise violates or is reasonably suspected to violate its obligations or terms of this Agreement, and where such violation or breach is not cured within five (5) business days following The Qt Company's written notice thereof.

12.3. Mutual Right to Terminate
Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4. Parties’ Rights and Duties upon Termination
Upon expiry or termination of the Agreement, Licensee shall cease and shall cause all Designated Users (including those of its Affiliates' and Contractors') to cease using the Licensed Software and distribution of the Redistributables under this Agreement.

Notwithstanding the above, in the event the Agreement expires or is terminated:

(i) as a result of The Qt Company choosing not to renew the Development License(s) as set forth in Section 3.1, then all valid licenses possessed by the Licensee at such date shall be extended to be valid in perpetuity under the terms of this Agreement and Licensee is entitled to purchase additional licenses as set forth in Section 10.2; or

(ii) for reason other than by The Qt Company pursuant to item (i) above or pursuant to Section 12.2, then the Licensee is entitled, for a period of six (6) months after the effective date of termination, to continue distribution of Devices under the Distribution Licenses paid but unused at such effective date of termination.

Upon any such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee shall immediately pay to The Qt Company all such fees upon the effective date of termination. Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

12.5. Extension in case of bankruptcy
In the event The Qt Company is declared bankrupt under a final, non-cancellable decision by relevant court of law, and this Agreement is not, at the date of expiry of the Development License(s) pursuant to Section 3.1, assigned to party, who has assumed The Qt Company's position as a legitimate licensor of Licensed Software under this Agreement, then all valid licenses possessed by the Licensee at such date of expiry, and which the Licensee has not notified for expiry, shall be extended to be valid in perpetuity under the terms of this Agreement.

13. GOVERNING LAW AND LEGAL VENUE

In the event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of
(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and
(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The arbitration shall be administered by JAMS pursuant to JAMS' Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish Company, then:
(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;
(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and
(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of Finland Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

14. GENERAL PROVISIONS

14.1. No Assignment
Except in the case of a merger or sale of substantially all of its corporate assets, Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2. No Third-Party Representations
Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on The Qt Company's behalf shall be void as to The Qt Company.
14.3. Surviving Sections
Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive. Such sections include especially the following: 1, 2, 6, 7, 9, 11, 12, 4, 13 and 14.

14.4. Entire Agreement
This Agreement, the exhibits hereto, the License Certificate and any applicable Purchase Order accepted by The Qt Company constitute the complete agreement between the Parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein.

In the event of any conflict or inconsistency between this Agreement and any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

Parties specifically acknowledge and agree that this Agreement prevails over any click-to-accept or similar agreements the Designated Users may need to accept online upon download of the Licensed Software, as may be required by The Qt Company’s applicable processes relating to Licensed Software.

14.5. Modifications
No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee’s Purchase Order (“Deviating Terms”) shall apply unless The Qt Company has expressly agreed such Deviating Terms in writing. Unless and to the extent expressly agreed by The Qt Company, any such Deviating Terms shall be deemed void and with no legal effect. For clarity, delivery of the Licensed Software following the receipt of the Purchase Order including Deviating Terms shall not constitute acceptance of such Deviating Terms.”

14.6. Force Majeure
Except for the payment obligations hereunder, neither Party shall be liable to the other for any delay or non-performance of its obligations hereunder in the event and to the extent that such delay or non-performance is due to an event of act of God, terrorist attack or other similar unforeseeable catastrophic event that prevents either Party for fulfilling its obligations under this Agreement and which such Party cannot avoid or circumvent (“Force Majeure Event”). If the Force Majeure Event results in a delay or non-performance of a Party for a period of three (3) months or longer, then either Party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other Party.

14.7. Notices
Any notice given by one Party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving Party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified for each Party on the signature page. Each communication and document made or delivered by one Party to the other Party pursuant to this Agreement shall be in the English language.

14.8. Export Control
Licensee acknowledges that the Redistributables, as incorporated in Applications or Devices, may be subject to export control restrictions under the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the Redistributables and exercise of licenses hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9. No Implied License
There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with The Qt Company and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by The Qt Company under this Agreement.

14.10. Attorney Fees
The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney’s fees and costs in connection with such action.

14.11. Privacy
Licensee acknowledges and agrees that for the purpose of this Agreement, The Qt Company may collect, use, transfer and disclose personal data pertaining to Designated Users as well as any other employees and directors of the Licensee and its Contractors relevant for carrying out the intent of this Agreement. Such personal data may be collected from the Licensee or directly from the relevant individuals. The Parties acknowledge that with regard to such personal data processed hereunder, The Qt Company shall be regarded as the Data Controller under the applicable Data Protection Legislation. The Qt Company shall process any such personal data in accordance with its privacy policies and practices, which will comply with all applicable requirements of the Data Protection Legislation.

14.12. Severability
If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall
be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

APPENDICES

The Agreement includes Appendix 1, and possibly one or more of the appendices 3-5, depending on the product(s) purchased by the Licensee, what is stated in the quote or invoice, and/or what is stated in the Licensee’s License Certificate.

APPENDIX 1

The modules and/or tools that are included in the respective product - Qt for Application Development (QtAD), Qt for Device Creation (QtDC), Qt for MCUs (QtMCU), Qt 3D Studio (Qt3DS) and Qt Design Studio (QtDS) - are marked with ‘X’ in the below table.

Parts of the product that are permitted for distribution in object-code form only ("Redistributables") are marked with ‘R’ in the below table.

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**APPENDIX 3: ADDITIONS TO LICENSED SOFTWARE**

In addition to what is provided under the definition of the Licensed Software, Parties agree that Licensed Software shall also include the Add-On Products of The Qt Company, as mentioned in this Appendix, if included in the quote / invoice.

The Modules and/or Tools of the Licensed Software that are included with each Add-On Product respectively are marked with 'X' in the below table.

Parts of the respective Add-On Product that are permitted for distribution in object-code form only ("Redistributables") are marked with 'R' in the below table.

| Add-On Product(s) | | | | | | | |
|-------------------|---|---|---|---|---|---|
| | | | | | | |
| Modules / Tools of Licensed Software | Qt for Automation | Qt Safe Renderer | Qt Application Manager | Qt IVI | Reference UI | Qt GENIVI Extras |
| | Qt M2M | Suite Renderer | Application Platform | CoAP | GENIVI Extras | |
| | | | Safe | | | |
| QML Live        | X | | | | | |
| Qt Creator      | X | | | | | |
| Deployment      | | | | | | |
| Qt Creator Plugin | X | X | | | | |
| for Qt Application Manager | | | | | | |
| Qt Automotive Suite | X | | | | | |
| Deployment Server | | | | | | |
| Qt Design Studio | X | | | | | |
| Qt 3D Studio    | X | | | | | |
| GammaRay        | X | | | | | |
| Platform adaptations | | | | | | X |
| for specified   | | | | | | |
| Deployment Platforms | | | | | | |
| Qt for Device   | X | | | | | |
| Creation        | | | | | | |

All the above Redistributables are subject to applicable provisions and limitations including but not limited to what is defined in section 3 of the Agreement.

APPENDIX 4: SMALL BUSINESS AND STARTUP

The provisions of this Appendix 4 are applicable for companies with an annual revenue, including funding, equivalent to maximum of 250,000 USD (in applicable currency) during the latest full calendar year, as evidenced by duly audited records of the Licensee and approved by The Qt Company ("Start-up Company").

Start-up Companies are qualified for a discounted License Fee for maximum of four (4) Development Licenses ("Start-up Development License") unless otherwise agreed between the parties.

Start-up Development License entitles the respective Designated User for Support only for installation related issues.

Upon expiry of the respective License Term, the Start-up Development Licenses shall be automatically extended, pursuant to Section 3.1 of the Agreement, for a Renewal Term either as new Start-up Development Licenses.
Open Source Used In MSX Platform Infrastructure 3.10.0 18357

(If the Licensee still qualifies as a Start-up Company), or as normal Development Licenses (if the Licensee no longer qualifies as a Start-up Company).

APPENDIX 5: NON-COMMERCIAL USE

The provisions of this Appendix 5 are applicable for non-commercial use of the Licensed Software by the Licensee.

For the purpose of this Appendix 5, the following additional definitions (replacing the relevant definition of the Agreement, where applicable) shall be applicable:

"Demo Units" shall mean (i) hardware development platform, which incorporates the Licensed Software along with Licensee's software and/or hardware, and (ii) prototype versions of Applications or Devices.

"Designated User(s)" shall mean the employees and students of the Licensee.

"Licensee Products" shall mean Applications and/or Devices.

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II. Section 3.1 shall be replaced in its entirety to read as follows:

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Mesa 3-D graphics library
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Fixes to work with Mingw32.

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Bug fixes and reports/analyses of obscure problems.

Aurelio Medina
First implementation of read-write locks.

Graham Dumpleton
Bug fix in condition variables.

Tristan Savatier
WinCE port.

Erik Hensemaer
Bug fixes.

Rich Peters
Re-implemented and improved read-write locks;
(with Louis Thomas) re-implemented and improved
condition variables;
enhancements to semaphores;
enhancements to mutexes;
new mutex implementation in 'futex' style;
suggested a robust implementation of pthread_once
similar to that implemented by V.Kliathcko;
system clock change handling re CV timeouts;
bug fixes.

Thomas Pfaff
Changes to make C version usable with C++ applications;
re-implemented mutex routines to avoid Win32 mutexes
and TryEnterCriticalSection;
procedure to fix Mingw32 thread-safety issues.
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 (pthread_once cancellation added by rpj).
 Vladimir Kliatchkovladimir at kliatchko dot com
 reimplemented pthread_once with the same form
 as described by A.Terekhov (later version 2);
 implementation of MCS (Mellor-Crummey/Scott) locks.
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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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The code in this library is an extension of Bala Vatti's clipping algorithm:
"A generic solution to polygon clipping"
http://portal.acm.org/citation.cfm?id=129906

Computer graphics and geometric modeling: implementation and algorithms
By Max K. Agoston
Springer; 1 edition (January 4, 2005)
http://books.google.com/books?q=vatti+clipping+agoston

See also:
"Polygon Offsetting by Computing Winding Numbers"
Paper no. DETC2005-85513 pp. 565-575
ASME 2005 International Design Engineering Technical Conferences
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// Original can be found at:
// https://bitbucket.org/lindenlab/llsd
// Modifications by Joshua Bell inexorabletash@gmail.com
// https://github.com/inexorabletash/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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    statements: 95
    lines: 95
    branches: 90
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wcwidth.js: JavaScript Portng of Markus Kuhn's wcwidth() Implementation
=======================================================================
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`cssmin.py` - A Python port of the YUI CSS compressor.

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  src/wasm/c-api.cc.

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3.1.0 / 2017-09-26
==================
* Add `DEBUG_HIDE_DATE` env var (#486)
* Remove ReDoS regexp in %o formatter (#504)
* Remove "component" from package.json
* Remove `component.json`
* Ignore package-lock.json
* Examples: fix colors printout
* Fix: browser detection
* Fix: spelling mistake (#496, @EdwardBetts)

3.0.1 / 2017-08-24
==================

* Fix: Disable colors in Edge and Internet Explorer (#489)

3.0.0 / 2017-08-08
==================

* Breaking: Remove DEBUG_FD (#406)
* Breaking: Use `Date#toISOString()` instead to `Date#toUTCString()` when output is not a TTY (#418)
* Breaking: Make millisecond timer namespace specific and allow 'always enabled' output (#408)
* Addition: document `enabled` flag (#465)
* Addition: add 256 colors mode (#481)
* Addition: `enabled()` updates existing debug instances, add `destroy()` function (#440)
* Update: component: update "ms" to v2.0.0
* Update: separate the Node and Browser tests in Travis-CI
* Update: refactor Readme, fixed documentation, added "Namespace Colors" section, redid screenshots
* Update: separate Node.js and web browser examples for organization
* Update: update "browserify" to v14.4.0
* Fix: fix Readme typo (#473)

2.6.9 / 2017-09-22
==================

* remove ReDoS regexp in %o formatter (#504)

2.6.8 / 2017-05-18
==================

* Fix: Check for undefined on browser globals (#462, @marbemac)

2.6.7 / 2017-05-16
==================

* Fix: Update ms to 2.0.0 to fix regular expression denial of service vulnerability (#458, @hubdotcom)
* Fix: Inline extend function in node implementation (#452, @dougwilson)
* Docs: Fix typo (#455, @msasad)
2.6.5 / 2017-04-27

* Fix: null reference check on window.documentElement.style.WebkitAppearance (#447, @thebigredgeek)
* Misc: clean up browser reference checks (#447, @thebigredgeek)
* Misc: add npm-debug.log to .gitignore (@thebigredgeek)

2.6.4 / 2017-04-20

* Fix: bug that would occur if process.env.DEBUG is a non-string value. (#444, @LucianBuzzo)
* Chore: ignore bower.json in npm installations. (#437, @joaovieira)
* Misc: update "ms" to v0.7.3 (@tootallnate)

2.6.3 / 2017-03-13

* Fix: Electron reference to `process.env.DEBUG` (#431, @paulcbetts)
* Docs: Changelog fix (@thebigredgeek)

2.6.2 / 2017-03-10

* Fix: DEBUG_MAX_ARRAY_LENGTH (#420, @slavaGanzin)
* Docs: Add backers and sponsors from Open Collective (#422, @piamancini)
* Docs: Add Slackin invite badge (@tootallnate)

2.6.1 / 2017-02-10

* Fix: Module's `export default` syntax fix for IE8 "Expected identifier" error
* Fix: Whitelist DEBUG_FD for values 1 and 2 only (#415, @pi0)
* Fix: IE8 "Expected identifier" error (#414, @vgoma)
* Fix: Namespaces would not disable once enabled (#409, @musikov)

2.6.0 / 2016-12-28

* Fix: added better null pointer checks for browser useColors (@thebigredgeek)
* Improvement: removed explicit `window.debug` export (#404, @tootallnate)
* Improvement: deprecated `DEBUG_FD` environment variable (#405, @tootallnate)

2.5.2 / 2016-12-25

* Fix: reference error on window within webworkers (#393, @KlausTrainer)
* Docs: fixed README typo (#391, @lurch)
* Docs: added notice about v3 api discussion (@thebigredgeek)

2.5.1 / 2016-12-20
==================

* Fix: babel-core compatibility

2.5.0 / 2016-12-20
==================

* Fix: wrong reference in bower file (@thebigredgeek)
* Fix: worker compatibility (@thebigredgeek)
* Fix: output formatting issue (#388, @kribblo)
* Fix: babel-loader compatibility (#383, @escwald)
* Misc: removed built asset from repo and publications (@thebigredgeek)
* Misc: moved source files to /src (#378, @yamikuronue)
* Test: added karma integration and replaced babel with browserify for browser tests (#378, @yamikuronue)
* Test: coveralls integration (#378, @yamikuronue)
* Docs: simplified language in the opening paragraph (#373, @yamikuronue)

2.4.5 / 2016-12-17
==================

* Fix: `navigator` undefined in Rhino (#376, @jochenberger)
* Fix: custom log function (#379, @hsiliev)
* Improvement: bit of cleanup + linting fixes (@thebigredgeek)
* Improvement: rm non-maintained `dist/` dir (#375, @freewil)
* Docs: simplified language in the opening paragraph. (#373, @yamikuronue)

2.4.4 / 2016-12-14
==================

* Fix: work around debug being loaded in preload scripts for electron (#368, @paulcbetts)

2.4.3 / 2016-12-14
==================

* Fix: navigation.userAgent error for react native (#364, @escwald)

2.4.2 / 2016-12-14
==================

* Fix: browser colors (#367, @tootallnate)
* Misc: travis ci integration (@thebigredgeek)
* Misc: added linting and testing boilerplate with sanity check (@thebigredgeek)

2.4.1 / 2016-12-13
==================
* Fix: typo that broke the package (#356)

2.4.0 / 2016-12-13
==================

* Fix: bower.json references unbuilt src entry point (#342, @justmatt)
* Fix: revert "handle regex special characters" (@tootallnate)
* Feature: configurable util.inspect()’options for NodeJS (#327, @tootallnate)
* Feature: %O (big O) pretty-prints objects (#322, @tootallnate)
* Improvement: allow colors in workers (#335, @botverse)
* Improvement: use same color for same namespace. (#338, @lchenay)

2.3.3 / 2016-11-09
==================

* Fix: Catch `JSON.stringify()` errors (#195, Jovan Alleyne)
* Fix: Returning `localStorage` saved values (#331, Levi Thomason)
* Improvement: Don't create an empty object when no `process` (Nathan Rajlich)

2.3.2 / 2016-11-09
==================

* Fix: be super-safe in index.js as well (@TooTallNate)
* Fix: should check whether process exists (Tom Newby)

2.3.1 / 2016-11-09
==================

* Fix: Added electron compatibility (#324, @paulcbetts)
* Improvement: Added performance optimizations (@tootallnate)
* Readme: Corrected PowerShell environment variable example (#252, @gimre)
* Misc: Removed yarn lock file from source control (#321, @fengmk2)

2.3.0 / 2016-11-07
==================

* Fix: Consistent placement of ms diff at end of output (#215, @gorangajic)
* Fix: Escaping of regex special characters in namespace strings (#250, @zacronos)
* Fix: Fixed bug causing crash on react-native (#282, @vkarpov15)
* Feature: Enabled ES6+ compatible import via default export (#212 @bucaran)
* Feature: Added %O formatter to reflect Chrome's console.log capability (#279, @oncletom)
* Package: Update "ms" to 0.7.2 (#315, @DevSide)
* Package: removed superfluous version property from bower.json (#207 @kkiirsche)
* Readme: fix USE_COLORS to DEBUG_COLORS
* Readme: Doc fixes for format string sugar (#269, @mlucool)
* Readme: Updated docs for DEBUG_FD and DEBUG_COLORS environment variables (#232, @mattlyons0)
* Readme: doc fixes for PowerShell (#271 #243, @exoticknight @unreadable)
* Readme: better docs for browser support (#224, @matthewmueller)
* Tooling: Added yarn integration for development (#317, @thebigedgeek)
* Misc: Renamed History.md to CHANGELOG.md (@thebigedgeek)
* Misc: Added license file (#226 #274, @CantemoInternal @sdaizman)
* Misc: Updated contributors (@thebigedgeek)

2.2.0 / 2015-05-09
==================

* package: update "ms" to v0.7.1 (#202, @dougwilson)
* README: add logging to file example (#193, @DanielOchoa)
* README: fixed a typo (#191, @amir-s)
* browser: expose `storage` (#190, @stephenmathieson)
* Makefile: add a 'distclean' target (#189, @stephenmathieson)

2.1.3 / 2015-03-13
==================

* Updated stdout/stderr example (#186)
* Updated example/stdout.js to match debug current behaviour
* Renamed example/stderr.js to stdout.js
* Update Readme.md (#184)
* replace high intensity foreground color for bold (#182, #183)

2.1.2 / 2015-03-01
==================

* dist: recompile
* update "ms" to v0.7.0
* package: update "browserify" to v9.0.3
* component: fix "ms.js" repo location
* changed bower package name
* updated documentation about using debug in a browser
* fix: security error on safari (#167, #168, @yields)

2.1.1 / 2014-12-29
==================

* browser: use `typeof` to check for `console` existence
* browser: check for `console.log` truthiness (fix IE 8/9)
* browser: add support for Chrome apps
* Readme: added Windows usage remarks
* Add `bower.json` to properly support bower install

2.1.0 / 2014-10-15
==================

* node: implement `DEBUG_FD` env variable support
* package: update "browserify" to v6.1.0
* package: add "license" field to package.json (#135, @panuhorsmalahi)

2.0.0 / 2014-09-01
==================

* package: update "browserify" to v5.11.0
* node: use stderr rather than stdout for logging (#29, @stephenmathieson)

1.0.4 / 2014-07-15
==================

* dist: recompile
* example: remove `console.info()` log usage
* example: add "Content-Type" UTF-8 header to browser example
* browser: place %c marker after the space character
* browser: reset the "content" color via `color: inherit`
* browser: add colors support for Firefox >= v31
* debug: prefer an instance `log()` function over the global one (#119)
* Readme: update documentation about styled console logs for FF v31 (#116, @wryk)

1.0.3 / 2014-07-09
==================

* Add support for multiple wildcards in namespaces (#122, @seegno)
* browser: fix lint

1.0.2 / 2014-06-10
==================

* browser: update color palette (#113, @gscottolson)
* common: make console logging function configurable (#108, @timoxley)
* node: fix %o colors on old node <= 0.8.x
* Makefile: find node path using shell/which (#109, @timoxley)

1.0.1 / 2014-06-06
==================

* browser: use `removeItem()` to clear localStorage
* browser, node: don't set DEBUG if namespaces is undefined (#107, @leedm777)
* package: add "contributors" section
* node: fix comment typo
* README: list authors

1.0.0 / 2014-06-04
==================

* make ms diff be global, not be scope
* debug: ignore empty strings in enable()
* node: make DEBUG_COLORS able to disable coloring
* *: export the `colors` array
* npmignore: don't publish the `dist` dir
* Makefile: refactor to use browserify
* package: add "browserify" as a dev dependency
* Readme: add Web Inspector Colors section
* node: reset terminal color for the debug content
* node: map "%o" to `util.inspect()`
* browser: map "%j" to `JSON.stringify()`
* debug: add custom "formatters"
* debug: use "ms" module for humanizing the diff
* Readme: add "bash" syntax highlighting
* browser: add Firebug color support
* browser: add colors for WebKit browsers
* node: apply log to `console`
* rewrite: abstract common logic for Node & browsers
* add .jshintrc file

0.8.1 / 2014-04-14

* package: re-add the "component" section

0.8.0 / 2014-03-30

* add `enable()` method for nodejs. Closes #27
* change from stderr to stdout
* remove unnecessary index.js file

0.7.4 / 2013-11-13

* remove "browserify" key from package.json (fixes something in browserify)

0.7.3 / 2013-10-30

* fix: catch localStorage security error when cookies are blocked (Chrome)
* add debug(err) support. Closes #46
* add .browser prop to package.json. Closes #42

0.7.2 / 2013-02-06

* fix package.json
* fix: Mobile Safari (private mode) is broken with debug
* fix: Use unicode to send escape character to shell instead of octal to work with strict mode javascript

0.7.1 / 2013-02-05
==================

* add repository URL to package.json
* add DEBUG_COLORED to force colored output
* add browserify support
* fix component. Closes #24

0.7.0 / 2012-05-04
==================

* Added .component to package.json
* Added debug.component.js build

0.6.0 / 2012-03-16
==================

* Added support for "-" prefix in DEBUG [Vinay Pulim]
* Added `.enabled` flag to the node version [TooTallNate]

0.5.0 / 2012-02-02
==================

* Added: humanize diffs. Closes #8
* Added `debug.disable()` to the CS variant
* Removed padding. Closes #10
* Fixed: persist client-side variant again. Closes #9

0.4.0 / 2012-02-01
==================

* Added browser variant support for older browsers [TooTallNate]
* Added `debug.enable('project:*')` to browser variant [TooTallNate]
* Added padding to diff (moved it to the right)

0.3.0 / 2012-01-26
==================

* Added millisecond diff when isatty, otherwise UTC string

0.2.0 / 2012-01-22
==================

* Added wildcard support

0.1.0 / 2011-12-02
* Added: remove colors unless stderr isatty [TooTallNate]

0.0.1 / 2010-01-03

* Initial release
PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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By: Adrian Heine
Repository: https://github.com/adrianheine/acorn-import-meta

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By: Marijn Haverbeke, Ingvar Stepanyan, Adrian Heine
Repository: https://github.com/acornjs/acorn.git

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## braces
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Repository: micromatch/braces

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By: Jon Schlinkert, Edo Rivai, Paul Miller, Rouven Weling
Repository: jonschlinkert/fill-range

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Repository: git@github.com:indutny/hash.js

### immutable
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Repository: git+https://github.com/Rich-Harris/is-reference.git

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## minimalistic-assert

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By: James Halliday
Repository: git://github.com/substack/minimist.git

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By: Rich Harris
Repository: https://github.com/Rich-Harris/sourcemap-codec

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Repository: micromatch/to-regex-range

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By: Jorge Bucaran
Repository: jorgebucaran/turbocolor

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C++ Big Integer Library
(see ChangeLog for version)

http://mattmccutchen.net/bigint/

Written and maintained by Matt McCutchen <matt@mattmccutchen.net>

You can use this library in a C++ program to do arithmetic on integers of size
limited only by your computer's memory. The library provides BigUnsigned and
BigInteger classes that represent nonnegative integers and signed integers,
respectively. Most of the C++ arithmetic operators are overloaded for these
classes, so big-integer calculations are as easy as:

#include "BigIntegerLibrary.hh"

BigInteger a = 65536;
cout << (a * a * a * a * a * a * a * a);

(prints 340282366920938463463374607431768211456)

The code in `sample.cc' demonstrates the most important features of the library.
To get started quickly, read the code and explanations in that file and run it.
If you want more detail or a feature not shown in `sample.cc', consult the
consult the actual header and source files, which are thoroughly commented.

This library emphasizes ease of use and clarity of implementation over speed;
some users will prefer GMP (http://swox.com/gmp/), which is faster. The code is
intended to be reasonably portable across computers and modern C++ compilers; in
particular, it uses whatever word size the computer provides (32-bit, 64-bit, or
otherwise).

Compiling programs that use the library

The library consists of a folder full of C++ header files (`.hh') and source
files (`.cc'). Your own programs should `#include' the necessary header files
and link with the source files. A makefile that builds the sample program
(`sample.cc') is included; you can adapt it to replace the sample with your own
program.

Alternatively, you can use your own build system or IDE. In that case, you must
put the library header files where the compiler will find them and arrange to
have your program linked with the library source files; otherwise, you will get errors about missing header files or "undefined references". To learn how to do this, consult the documentation for the build system or IDE; don't bother asking me. Adding all the library files to your project will work in many IDEs but may not be the most desirable approach.

Resources
---------
The library's Web site (above) provides links to released versions, the current development version, and a mailing list for release announcements, questions, bug reports, and other discussion of the library. I would be delighted to hear from you if you like this library and/or find a good use for it.

Bugs and enhancements
---------------------
The library has been tested by me and others but is by no means bug-free. If you find a bug, please report it, whether it comes in the form of compiling trouble, a mathematically inaccurate result, or a memory-management blooper (since I use Java, these are altogether too common in my C++). I generally fix all reported bugs. You are also welcome to request enhancements, but I am unlikely to do substantial amounts of work on enhancements at this point.

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raytrace.js contains code from the the Prototype JavaScript framework, version 1.5.0:

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* From: Wilco Dijkstra <Wilco.Dijkstra@ntlworld.com>
* Date: Fri, Jun 24, 2011 at 3:20 AM
* Subject: Re: sqrt routine
* To: Kevin Ma <kma@google.com>
* Hi Kevin,
* Thanks for asking. Those routines are public domain (originally posted to
* comp.sys.arm a long time ago), so you can use them freely for any purpose.
* Cheers,
* Wilco
*
* ----- Original Message -----
* From: "Kevin Ma" <kma@google.com>
* To: <Wilco.Dijkstra@ntlworld.com>
* Sent: Thursday, June 23, 2011 11:44 PM
* Subject: Fwd: sqrt routine
* Hi Wilco,
* I saw your sqrt routine from several web sites, including
* http://www.finesse.demon.co.uk/steven/sqrt.html.
* Just wonder if there's any copyright information with your Successive
* approximation routines, or if I can freely use it for any purpose.
* Thanks.
* Kevin
*/

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* Ring Buffer utility.
*
* Author: Phil Burk, http://www.softsynth.com
* modified for SMP safety on Mac OS X by Bjorn Roche
* modified for SMP safety on Linux by Leland Lucius
* also, allowed for const where possible
* modified for multiple-byte-sized data elements by Sven Fischer
* 
* Note that this is safe only for a single-thread reader and a
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#!/usr/bin/env node
var nopt = require("../lib/nopt")
.path = require("path")
.types = { num: Number
  , bool: Boolean
  , help: Boolean
  , list: Array
  , "num-list": [Number, Array]
  , "str-list": [String, Array]
  , "bool-list": [Boolean, Array]
  , str: String
  , clear: Boolean
  , config: Boolean
  , length: Number
  , file: path
}
.shorthands = { s: [ "--str", "astring" ]
  , b: [ "--bool" ]
  , nb: [ "--no-bool" ]
  , tft: [ "--bool-list", "--no-bool-list", "--bool-list", "true" ]
  , ":?": ["--help"]
  , h: ["--help"]
  , H: ["--help"]
  , n: [ "--num", "125" ]
  , c: ["--config"]
  , l: ["--length"]
  , f: ["--file"]
}
.parsed = nopt( types
  , shorthands
  , process.argv
  , 2 )

console.log("parsed", parsed)

if (parsed.help) {
console.log("\n")
console.log("nopt cli tester")
console.log("\n")
console.log("types")
console.log(Object.keys(types).map(function M (t) {
  var type = types[t]
  if (Array.isArray(type)) {
    return [[t, type.map(function (type) { return type.name })]]
  }
  return [[t, type && type.name]]
}).reduce(function (s, i) {
  s[i[0]] = i[1]
  return s
}, { })
console.log("\n")
console.log("shorthands")
console.log(shorthands)
}
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Version 3, 29 June 2007

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The code in this library is an extension of Bala Vatti's clipping algorithm:
"A generic solution to polygon clipping"
http://portal.acm.org/citation.cfm?id=129906

Computer graphics and geometric modeling: implementation and algorithms
By Max K. Agoston
Springer; 1 edition (January 4, 2005)
http://books.google.com/books?q=vatti+clipping+agoston

See also:
"Polygon Offsetting by Computing Winding Numbers"
Paper no. DETC2005-85513 pp. 565-575
http://www.me.berkeley.edu/~mcmains/pubs/DAC05OffsetPolygon.pdf

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## Change Log
### v25.0.1 (2019/01/10 19:29 +00:00)
- [f1c835b](https://github.com/davglass/license-checker/commit/f1c835b991b65dc928eafe64c29b73df9e703169) Updated readme with new args (@davglass)
- [ada667f](https://github.com/davglass/license-checker/commit/ada667f28e8ef4e96b5b6059fe05541d05ca936c) changelog (@davglass)
- [7813f0d](https://github.com/davglass/license-checker/commit/7813f0db3b51f7cc4cd37d8e7b4670f9005fed06) contrib (@davglass)

### v25.0.0 (2019/01/10 15:09 +00:00)
- [cdb77d9](https://github.com/davglass/license-checker/commit/cdb77d9a2b36cd87503f32265a0ee388b25c24ae) 25.0.0 (@davglass)
- [b897345](https://github.com/davglass/license-checker/commit/b89734549bc05fb5e143083dfd6d3959d87eb2b8) [Fixes #136] Document --start option and add the depth option for looking into root dependencies or infinitely (@davglass)
- [#185](https://github.com/davglass/license-checker/pull/185) Merge pull request #185 from theboolean/fix/exclude-packages-and-private (@theboolean)
- [#184](https://github.com/davglass/license-checker/pull/184) Merge pull request #184 from theboolean/docs/fix-typo (@theboolean)
- [987a60f](https://github.com/davglass/license-checker/commit/987a60fbb58052cf36d5a80e6252e81136bb1dd8) changes 24.1.0 (@davglass)

### v24.1.0 (2018/12/14 20:54 +00:00)
- [18ab8a1](https://github.com/davglass/license-checker/commit/18ab8a1eb478d1354429ca4318c1df3de3e4cbb1) 24.1.0 (@davglass)
- [1dca0f6](https://github.com/davglass/license-checker/commit/1dca0f616aebdef2d398ec130a2a4f86c2b4e88c8) Changelog (@davglass)
- [#188](https://github.com/davglass/license-checker/pull/188) Fix for #153: remove deprecated package 'spdx' (#188) (@rogierschouten)
- [d1d34b1](https://github.com/davglass/license-checker/commit/d1d34b1a8894987807419c093c3ce10b4f06db3d) Fix typo in package.json description (@theboolean)
- [f5c9008](https://github.com/davglass/license-checker/commit/f5c9008a6d20b503e21c0d81305e52be526a5bfe8) Fix: Allow excluding packages and private packages together (@theboolean)
- [98c4dc6](https://github.com/davglass/license-checker/commit/98c4dc670fdeb66ec58b62b38ebcb12302e5b1db5) changes (@davglass)

### v24.0.1 (2018/10/11 16:40 +00:00)
- [d72eae8](https://github.com/davglass/license-checker/commit/d72eae8bcb80d85826d12c5e2664ae9c19135709) 24.0.1 (@davglass)
- [9433e64](https://github.com/davglass/license-checker/commit/9433e640ea9f629aad5f00c224a9f61026b8116d) [Fixes #181] - Removed extra line break with --cvs (@davglass)
- [65baa28](https://github.com/davglass/license-checker/commit/65baa28f532f87eb75a32578c7ac5837806d12f) contrib and changes (@davglass)

### v24.0.0 (2018/10/09 21:12 +00:00)
- [84d64a2](https://github.com/davglass/license-checker/commit/84d64a28fa971c3fb20b9e9de27cafe6e8481b) 24.0.0 (@davglass)
- [#180](https://github.com/davglass/license-checker/pull/180) Feature: Exclude Private Packages (#180) (Jonny Reeves)
Open Source Used In MSX Platform Infrastructure 3.10.0 18885

- [0f53922](https://github.com/davglass/license-checker/commit/0f53922088be0b0df4fd8db7ea884b53d0137e45) feat: allow restricting output to specified packages (@codepunkt)
- [5f63f87](https://github.com/davglass/license-checker/commit/5f63f8766a17e589b57db99bda4eb54d91b85b77) changes and contrib (@davglass)

### v20.1.0 (2018/06/07 14:33 +00:00)
- [970882a](https://github.com/davglass/license-checker/commit/970882a09b345c7f3249f6431e5ca4c069ad7e320) 20.1.0 (@davglass)
- [#165](https://github.com/davglass/license-checker/pull/165) Merge pull request #165 from santiagocanti/fix-exclude-not-adding-custom-licenses (@santiagocanti)
- [89e48a9](https://github.com/davglass/license-checker/commit/89e48a9d3d0c9f2e48bffee0dc3563ce4b652e22) Fix exclude not including custom licenses (@santiagocanti)

### v20.0.0 (2018/05/17 14:14 +00:00)
- [0e89310](https://github.com/davglass/license-checker/commit/0e8931021df777cb401d9a332fa2a8c9a2c49eb2) 20.0.0 (@davglass)
- [c36a5c9](https://github.com/davglass/license-checker/commit/c36a5c99bb4f68816e4e19cad5090ba3c7ba67a4) changes (@davglass)
- [ccb66f3](https://github.com/davglass/license-checker/commit/ccb66f3410a4589e6f2b7cf1c3aefb14466bab460) contributors (@davglass)
- [#156](https://github.com/davglass/license-checker/pull/156) Merge pull request #156 from zodiac403/copyright (@zodiac403)
- [56414b4](https://github.com/davglass/license-checker/commit/56414b4a67cb25b8c8eb8cc05b0ac712b677dc2) Add unit test for Copyright statement. (@zodiac403)
- [3eafe24](https://github.com/davglass/license-checker/commit/3eafe249ad662af727a9b7472f7ad6c1b9a73ade) fixing test coverage with switch to nyc from istanbul (@davglass)

### v19.0.0 (2018/04/30 14:51 +00:00)
- [7e83a06](https://github.com/davglass/license-checker/commit/7e83a069d23c104c3cd8257eb64666704ecc4a465) 19.0.0 (@davglass)
- [e5eb49b](https://github.com/davglass/license-checker/commit/e5eb49bc5546d6bc681f736f159d63908cd39ce9) upgrading packages (@davglass)
- [442ae6c](https://github.com/davglass/license-checker/commit/442ae69b5d44e47b2f2e441c4e1f86d387e49c6) Changlog (@davglass)

### v18.1.0 (2018/04/30 14:16 +00:00)
- [82ec91b](https://github.com/davglass/license-checker/commit/82ec91bb02e6bf998164b62b4aa82791856ad4c) 18.1.0 (@davglass)
- [4b546d3](https://github.com/davglass/license-checker/commit/4b546d38ce91bce8d21e7bc53e44635b0447fc2) contrib (@davglass)
- [#155](https://github.com/davglass/license-checker/pull/155) Merge pull request #155 from kt mouk/supress-path-property (@ktmouk)
- [#160](https://github.com/davglass/license-checker/pull/160) Merge pull request #160 from helio-frota/pr (@helio-frota)
- [8b068f2](https://github.com/davglass/license-checker/commit/8b068f25fe910d087c06e29312bc250b49aba4c7) fix: Updating debug dependency to fix a security warning (@helio-frota)
- [040dd94](https://github.com/davglass/license-checker/commit/040dd9468261966c5c40e4a418aa9ba8f716c3a2) Copyright statement: Handle multi-line stgements (@zodiac403)
- [0480750](https://github.com/davglass/license-checker/commit/04807506d61aa1d704e8b51da3a289baa025b510) Fix layout issue. (@zodiac403)
- [9cb45f2](https://github.com/davglass/license-checker/commit/9cb45f2b9ec2e1142c0d1f56f0f17df754737a4c) Link with customFormat (@zodiac403)
- [f83aaa8](https://github.com/davglass/license-checker/commit/f83aaa85ad4cc2e988082951dfacbe86dc2d7f) Merge branch 'z4/copyright' of https://github.com/zodiac403/license-checker into z4/copyright (@zodiac403)
- [7536af9](https://github.com/davglass/license-checker/commit/7536af935d91078657f0e169ed82383f099607f) Trim output. (@zodiac403)
- [8716845](https://github.com/davglass/license-checker/commit/87168456cae35263882bd2b6d6d0081f228bb6b66) Suppress path property (@ktmouk)
- [be57ee8](https://github.com/davglass/license-checker/commit/be57ee8f76c8aada0d227913bd7ed0e12aca0d640) Add example for (c) statement. (@zodiac403)
- [fe17f7c](https://github.com/davglass/license-checker/commit/fe17f7c76dbdaee0cbf689a0cd260a746698f3281) Parse (c) statements from LICENSE file. (@zodiac403)
- [#149](https://github.com/davglass/license-checker/pull/149) Merge pull request #149 from honzajavorek/patch-1 (@honzajavorek)
- [955bbf6](https://github.com/davglass/license-checker/commit/955bbf6070ffcd9f0d01ef37bb84ffbac65e007b) remove the old status badge (@honzajavorek)

### v18.0.0 (2018/03/20 12:30 +00:00)
- [315de0b](https://github.com/davglass/license-checker/commit/315de0b1a881c8f7373c3c0131c217c4820df13a8) 18.0.0 (@davglass)
- [76655d5](https://github.com/davglass/license-checker/commit/76655d59bad95c2e52724aaa3a0cf036f0e60bd6) changelog (@davglass)
- [c8aa823](https://github.com/davglass/license-checker/commit/c8aa823342b7a250d510582c8a03d76af50bd9c) added contributors (@davglass)
- [#147](https://github.com/davglass/license-checker/pull/147) Merge pull request #147 from honzajavorek/honzajavorek/license-files (@honzajavorek)
- [#148](https://github.com/davglass/license-checker/pull/148) Merge pull request #148 from honzajavorek/honzajavorek/use-stderr (@honzajavorek)
- [#146](https://github.com/davglass/license-checker/pull/146) Merge pull request #146 from honzajavorek/honzajavorek/fx-e2e-test (@honzajavorek)
- [#145](https://github.com/davglass/license-checker/pull/145) Merge pull request #145 from honzajavorek/honzajavorek/drop-4-add-8 (@honzajavorek)
- [0105f7d](https://github.com/davglass/license-checker/commit/0105f7df01a67b8f7ce34371d95a1d76b191d5ed) use stderr where applicable (@honzajavorek)
- [0ff8d91](https://github.com/davglass/license-checker/commit/0ff8d917c659446256074c090ae433d84930233) add support for LICENSE-MIT and similar (@honzajavorek)
- [f02589e](https://github.com/davglass/license-checker/commit/f02589e62c0ba822108188b1799d561e3ff20500) isolate and test the license file detection (@honzajavorek)
- [0fda0f6](https://github.com/davglass/license-checker/commit/0fda0f62ab28f1658e4ed504b034f1536b9ff8) add warning about commas and test it (@honzajavorek)
- [3db0b6f](https://github.com/davglass/license-checker/commit/3db0b6f05a68ccff4181503ca87edce4ef10cd7) fix e2e test (transition from comma delimiter to semicolon) (@honzajavorek)
- [cecc3b73](https://github.com/davglass/license-checker/commit/cecc3b73505ac40a2dca211e78427624d009585d) let Travis CI to cache node_modules (@honzajavorek)
- [8cea3dc](https://github.com/davglass/license-checker/commit/8cea3dfc1d185dc3ae3f37f44a82d7e123a1988) add Travis CI badge to the README (@honzajavorek)
- [8f59c3b](https://github.com/davglass/license-checker/commit/8f59c3b494f69b1d51535bcf880c0e006d0ef6bb) drop support for node 4, add support for node 8 (@honzajavorek)

### v17.0.0 (2018/03/19 13:26 +00:00)
- [cd5fd8](https://github.com/davglass/license-checker/commit/cd5fd8e94267d7d8f29e866d9efb8694c037f1) 17.0.0 (@davglass)
- [13c11ee](https://github.com/davglass/license-checker/commit/13c11ee1b1a3e012de62536100fcee91c355c8b) updated readme and help text (@davglass)
- [#144](https://github.com/davglass/license-checker/pull/144) Merge pull request #144 from creising/parser-fixes (@creising)
- [d2ab8df](https://github.com/davglass/license-checker/commit/d2ab8df30bc3e6b38b321a1e12a70cf477a69eb0) added support for lic with commas and spaces (@creising)
- [2075208](https://github.com/davglass/license-checker/commit/20752083c6029823fb389a30a1ed4d7d90fa9297) contrib and changelog (@davglass)
- [6c5274c](https://github.com/davglass/license-checker/commit/6c5274c6064d318844cf36185dca395e0893ff08) [fixes #132] - Fixed issue with asFiles and path issues (@davglass)
- [a46c448](https://github.com/davglass/license-checker/commit/a46c4483f872c3db9498a65b7ae3dc6d8164de0a) 16.0.0 (@davglass)
- [38d63e2](https://github.com/davglass/license-checker/commit/38d63e2c2c3f6c11012fb69b1470b2ba06d5554) [fixes #128] - Added --onlyAllow option (@davglass)

### v16.0.0 (2018/01/18 15:02 +00:00)
- [#131](https://github.com/davglass/license-checker/pull/131) Merge pull request #131 from mischah/patch-1 (@mischah)
- [e341d17](https://github.com/davglass/license-checker/commit/e341d1701092be87309ec4b51fa6eb23f7e9a589) Fix typo in Readme (@mischah)
- [cc38a20](https://github.com/davglass/license-checker/commit/cc38a2047bf41b6fe25266114a13a9bf54133e04) updated license text (@davglass)

### v15.0.0 (2017/10/19 14:24 +00:00)
- [a9bd001](https://github.com/davglass/license-checker/commit/a9bd001b649bfa186babe5598bb8c67f56383599) 15.0.0 (@davglass)
- [db621fa](https://github.com/davglass/license-checker/commit/db621fa6beef870699c33be484bf49816ab7866) changelog (@davglass)
- [#124](https://github.com/davglass/license-checker/pull/124) Merge pull request #124 from neverendingqs/app/stricterguesses (@neverendingqs)
- [#126](https://github.com/davglass/license-checker/pull/126) app - output now includes path to dependency. (#126) (@neverendingqs)
- [9f68b29](https://github.com/davglass/license-checker/commit/9f68b29bba773278cdab92e221be6ccbab191932) app - strengthening license guessing; resolves #123. (@neverendingqs)
- [3061c87](https://github.com/davglass/license-checker/commit/3061c87363f3416d86ca6c2ba7b2bfa77def0e73) changes (@davglass)

### v14.0.0 (2017/08/28 13:22 +00:00)
- [b2a4403](https://github.com/davglass/license-checker/commit/b2a440309c1537c525c5a2106f11e72d5b784ec) 14.0.0 (@davglass)
- [#122](https://github.com/davglass/license-checker/pull/122) Added --failOn [list] mode (#122) (@tobilg)

### v13.1.0 (2017/08/25 15:00 +00:00)
- [ee25265](https://github.com/davglass/license-checker/commit/ee25265f92fe0d3b603da6b8c88d175e0d1f2fa5) 13.1.0 (@davglass)
- [5bb9a17](https://github.com/davglass/license-checker/commit/5bb9a17f89d7e180b3a9d929ebc073135262bd2f) changes (@davglass)
- [b1e0392](https://github.com/davglass/license-checker/commit/b1e0392afa4b511b7c532125cd3165a828d3d4e3) added contrib (@davglass)
- [#121](https://github.com/davglass/license-checker/commit/121) Add `--summary` mode to show a summary with counts of the used licenses (#121) (@tobilg)
- [#119](https://github.com/davglass/license-checker/pull/119) Fix minor spelling mistakes (#119) (@tobiasbueschel)
- [#118](https://github.com/davglass/license-checker/pull/118) Minor readme text improvements (#118) (@peteruithoven)
- [d2bc5ea](https://github.com/davglass/license-checker/commit/d2bc5eaf91ab50becea91d5f0f050955fe9a6ac59) added license parsing info to README (@davglass)
- [3e9d320](https://github.com/davglass/license-checker/commit/3e9d320acb2e9f14297d6a4355680f34a9b0609d) changes (@davglass)

### v13.0.3 (2017/08/04 17:15 +00:00)
- [2caf76b](https://github.com/davglass/license-checker/commit/2caf76be7f2849e153ee28410f3b7a41df3283b5) 13.0.3 (@davglass)
- [faddc8](https://github.com/davglass/license-checker/commit/faddc895ef9c6f1822e2823c5605a8c1d8fa8a25) [fixes #117] fixed minor URL parsing (@davglass)
- [e58a868](https://github.com/davglass/license-checker/commit/e58a868268aef9d735b364bd87d03140d76482) changes (@davglass)

### v13.0.2 (2017/07/18 16:24 +00:00)
- [2c712b7](https://github.com/davglass/license-checker/commit/2c712b7c76eef916d60f3ef3125f7f019c46d59) 13.0.2 (@davglass)
- [ef812c1](https://github.com/davglass/license-checker/commit/ef812c1168901d08b97dbd450a64ca03bb7062ad) [fixes #114] - Custom URL/File parsing skipped if file found on disk (@davglass)

### v13.0.1 (2017/07/17 12:48 +00:00)
- [a1bf8f1](https://github.com/davglass/license-checker/commit/a1bf8f152b100d81b44757b3b7e141d6a971c44) 13.0.1 (@davglass)
- [e6d0c89](https://github.com/davglass/license-checker/commit/e6d0c893b8a86e12493f7a5c22fd74ef26267994) contrib & changes (@davglass)
- [#113](https://github.com/davglass/license-checker/pull/113) Use LICENSE file in preference to README (#113) (@ibeucal)
- [6b77f79](https://github.com/davglass/license-checker/commit/6b77f79f654e21903ea37e4391fba3601ecee32e90) changes (@davglass)

### v13.0.0 (2017/07/14 12:49 +00:00)
- [dd9e880](https://github.com/davglass/license-checker/commit/dd9e880a8b3d683b8c1e57c7a5f889e9156de4) 13.0.0 (@davglass)
- [051b20b](https://github.com/davglass/license-checker/commit/051b20b0c4b35f223f724705a0025d5a2c809373f)
cleaned up some tests (@davglass)
- [#110](https://github.com/davglass/license-checker/pull/110) FEATURE: Recognise some custom licenses by file or url (#110) (@dancrumb)
- [#111](https://github.com/davglass/license-checker/pull/111) Resolves #60 (#111) Adding support for GPL and LGPL (@dancrumb)
- [#109](https://github.com/davglass/license-checker/pull/109) FEATURE: Improve license exclusion (#109) (@dancrumb)
- [#108](https://github.com/davglass/license-checker/pull/108) FEATURE: Detect private modules and report them as UNLICENSED (#108) (@dancrumb)

### v12.1.0 (2017/07/12 16:48 +00:00)
- [dc944e5](https://github.com/davglass/license-checker/commit/dc944e54d55d77b0ef6b6321d9abe847662cc8) 12.1.0 (@davglass)
- [d415c58](https://github.com/davglass/license-checker/commit/d415c580b04bc5eefa592dc9f9a0a31b244c1bd3) updated contrib and changes (@davglass)
- [#107](https://github.com/davglass/license-checker/pull/107) Merge pull request #107 from dancrumb/feature/support-for-public-domain-licenses (@dancrumb)
- [0c55770](https://github.com/davglass/license-checker/commit/0c55770294167161c48b79cc82a15a6545154a87) FEATURE: Add support for Public Domain licenses (@dancrumb)

### v12.0.0 (2017/07/05 13:33 +00:00)
- [8b74fa1](https://github.com/davglass/license-checker/commit/8b74fa1fe3b5ed0d217aa3ce86f4662eb024621) 12.0.0 (@davglass)
- [4f3367c](https://github.com/davglass/license-checker/commit/4f3367c2bf2e9713a6cccd11341f7f4fa70ed400) changes & contrib (@davglass)
- [#106](https://github.com/davglass/license-checker/pull/106) Merge pull request #106 from helio-frota/licensefile-readme (@helio-frota)
- [a229507](https://github.com/davglass/license-checker/commit/a2295073d0178dca1b88e85ea8f52c21d35e52fc) src: the README is added as licenseFile (@helio-frota)
- [b59d90d](https://github.com/davglass/license-checker/commit/b59d90d8705f6f728c817b89936f95097d26857b) changes & contrib (@davglass)

### v11.0.0 (2017/05/30 13:33 +00:00)
- [258df10](https://github.com/davglass/license-checker/commit/258df102da484943088da8e0b6160b80c0e703cd) 11.0.0 (@davglass)
- [#102](https://github.com/davglass/license-checker/pull/102) Merge pull request #102 from xswordsx/multiple-licenses (@xswordsx)
- [c5c8b0f](https://github.com/davglass/license-checker/commit/c5c8b0f408f2a26259a7b1109f7cc135ed5b9e4) Check for SPDX-compatible licenses (@xswordsx)

### v10.1.0 (2017/05/25 16:16 +00:00)
- [b52a16d](https://github.com/davglass/license-checker/commit/b52a16d0ba414e7287f82325dd65619cd76afdd1) 10.1.0 (@davglass)
- [f911a99](https://github.com/davglass/license-checker/commit/f911a991033254945ecbbf69362cb171436688e) contrib & changes (@davglass)
- [#100](https://github.com/davglass/license-checker/pull/100) Suppress JSON properties with custom format (#100) (@tbstnwy)
- [ed5b3ab](https://github.com/davglass/license-checker/commit/ed5b3ab50825f0be032958f8233dd3000ee98e85)
changelog (@davglass)

### v10.0.0 (2017/05/17 13:51 +00:00)
- [b2c2283](https://github.com/davglass/license-checker/commit/b2c2283cf5a937e64a07ab200ec2379e481903b6) 10.0.0 (@davglass)
- [a0406ac](https://github.com/davglass/license-checker/commit/a0406ac2c7a0b1037ca31b47e36d316b9c088938) - do not replace newline, etc in licenses for exporting to json/markdown (@davglass)
- [98a03fa](https://github.com/davglass/license-checker/commit/98a03fa700ef6d038ccf9104ae5a5e1782a10ad) - Added a newline to the output file (@davglass)
- [#98](https://github.com/davglass/license-checker/pull/98) Merge pull request #98 from davglass/eslint (@davglass)
- [10fe441](https://github.com/davglass/license-checker/commit/10fe441a270e549e57f17da99d2287fc55355500) moved to eslint (@davglass)
- [f82b535](https://github.com/davglass/license-checker/commit/f82b535df3b7f152fa00bb4680e94af18d1c1421d) changelog (@davglass)

### v9.0.3 (2017/04/10 13:42 +00:00)
- [a0fd60f](https://github.com/davglass/license-checker/commit/a0fd60f972b7c84a32117b3df1f95bfa2282f27) 9.0.3 (@davglass)
- [#95](https://github.com/davglass/license-checker/pull/95) Merge pull request #95 from abtris/prefix-component (@abtris)
- [3b80272](https://github.com/davglass/license-checker/commit/3b80272a217687c20cd7a0c1e98775064d820ff) test: add test for csvComponentPrefix (@abtris)
- [d593554](https://github.com/davglass/license-checker/commit/d593554c1a6b47e004e4a23fca88ec7294f8351) feat: add support for csvComponentPrefix (@abtris)
- [5b2eea1](https://github.com/davglass/license-checker/commit/5b2eea12d8c54068a01a2cf1fd9bdeca8c1f0fa2) added contrib (@davglass)

### v9.0.2 (2017/04/05 14:55 +00:00)
- [f24833b](https://github.com/davglass/license-checker/commit/f24833bcee846f608ec3d8c3273d56c42b895) 9.0.2 (@davglass)
- [#94](https://github.com/davglass/license-checker/pull/94) Merge pull request #94 from timbru31/fix-comma-exclude (@timbru31)
- [2d08a77](https://github.com/davglass/license-checker/commit/2d08a77030362c7ab03ac12358dd524c0be47ee) contrib & changelog (@davglass)

### v9.0.1 (2017/04/05 13:09 +00:00)
- [9f1a1f3](https://github.com/davglass/license-checker/commit/9f1a1f321949bb312858f624e303af1ad4f61ca) 9.0.1 (@davglass)
- [c99f612](https://github.com/davglass/license-checker/commit/c99f612fee22d9eb03d0ad41e7918fba6e8ed9) added test for licenseText (@davglass)
- [#93](https://github.com/davglass/license-checker/pull/93) Merge pull request #93 from abtris/licenseText-just-in-customFormat (@abtris)
- [8d7fb2f](https://github.com/davglass/license-checker/commit/8d7fb2f85fc585d875ab1459e0b0cecf43993ba4) fix: allow escaped commas in exclude string (@timbru31)
- [da4d73c](https://github.com/davglass/license-checker/commit/da4d73c9fe22f50dbce54364ee5b7b7c7f1a4) test: fix test, remove check from non custom format (@abtris)
- [dcd3b59](https://github.com/davglass/license-checker/commit/dcd3b59bb9457df354fa3095189235b6e030df1a)
feat: add licenseText only for customFormat
- [4e02eca](https://github.com/davglass/license-checker/commit/4e02eca6e8bd332ff6d90e5039cabc50f0df1bf3) updated contribs and changelog (@davglass)

### v9.0.0 (2017/04/04 12:26 +00:00)
- [267c80e](https://github.com/davglass/license-checker/commit/267c80efac89eef70c71a12b8f12b3dc8e6d58d) 9.0.0 (@davglass)
- [057af47](https://github.com/davglass/license-checker/commit/057af47bc52ac526f646ba21496f338689801809) added licenseFile assertion to tests (@davglass)
- [#92](https://github.com/davglass/license-checker/pull/92) Merge pull request #92 from abtris/includeFileContent (@abtris)
- [1cda1b8](https://github.com/davglass/license-checker/commit/1cda1b8e1a1a18cc391ba2765dcaae89172943a0f) fix: replace problematics chars for easy import to Excel (@abtris)
- [dd6ecab](https://github.com/davglass/license-checker/commit/dd6ecab1a7b1354c4d1d001491f58dbe0f5e3e63) feat: add licenseText (@abtris)
- [6395498](https://github.com/davglass/license-checker/commit/639549890c54a12043244579ad0c0d5972309fb2) changes and contrib (@davglass)

### v8.0.4 (2017/02/15 16:21 +00:00)
- [28d379a](https://github.com/davglass/license-checker/commit/28d379aca51a7a47a324b6feb63736ea02295) 8.0.4 (@davglass)
- [#89](https://github.com/davglass/license-checker/pull/89) Merge pull request #89 from Pawamoy/master (@Pawamoy)
- [#90](https://github.com/davglass/license-checker/pull/90) Merge pull request #90 from drewfish/bsd-source-code (@drewfish)
- [b704bc1](https://github.com/davglass/license-checker/commit/b704bc18a43de246302b8ff6933f8fe5f96ee3a6) guess BSD-Source-Code license (@drewfish)
- [8d31eab](https://github.com/davglass/license-checker/commit/8d31eabfb671d32ef3e63215d653d7b4acc59) Add docs about customFormat option (@pawamoy)
- [2529d31](https://github.com/davglass/license-checker/commit/2529d3118dfae53f1e01056ec99f5c542cb8d63e) changes (@davglass)

### v8.0.3 (2016/11/10 17:04 +00:00)
- [66fd7b5](https://github.com/davglass/license-checker/commit/66fd7b5ad5577cc2c85668a7c6607365c86a2c85) 8.0.3 (@davglass)
- [#87](https://github.com/davglass/license-checker/pull/87) Merge pull request #87 from drewfish/guess-cc0 (@drewfish)
- [668bbd3](https://github.com/davglass/license-checker/commit/668bbd38fd5148f99c5263f4e0506e04d5e3f8a0) guess CC0-1.0, upgraded jshint (@drewfish)

### v8.0.2 (2016/11/09 21:57 +00:00)
- [0bdedd8](https://github.com/davglass/license-checker/commit/0bdedd8cb990e1f5ffacde1c12cc708185a5b866) 8.0.2 (@davglass)
- [ef67bb4](https://github.com/davglass/license-checker/commit/ef67bb454373352343faa49d4dc978a295bd1544) updated semver (@davglass)
- [14b5c85](https://github.com/davglass/license-checker/commit/14b5c8551ccbb5c5ce8aa76fb5367857c891d013) Changelog (@davglass)
### v8.0.1 (2016/11/09 21:51 +00:00)
- [594871d](https://github.com/davglass/license-checker/commit/594871d6197a030121f940500495e6ca7d82f02c) 8.0.1 (@davglass)
- [c243663](https://github.com/davglass/license-checker/commit/c243663b0ab8a0126251292a57b2e47369a51eef) added contrib (@davglass)
- [#86](https://github.com/davglass/license-checker/pull/86) Merge pull request #86 from drewfish/copying (@drewfish)
- [380aa26](https://github.com/davglass/license-checker/commit/380aa26799cb527739907484ee69c6dae26d5f17a) also support COPYING file (@drewfish)
- [329c367](https://github.com/davglass/license-checker/commit/329c36767d0cd5c5947a53fd205ff23b767b7f882) handling undefined@undefined error better (@davglass)
- [1f93a07](https://github.com/davglass/license-checker/commit/1f93a072632aad0660b63f61c56e3bd2fe109474) changelog (@davglass)

### v8.0.0 (2016/09/09 13:23 +00:00)
- [44c2c48](https://github.com/davglass/license-checker/commit/44c2c48ae177915523df89af74474fe0953408bf) 8.0.0 (@davglass)
- [b5f5c6a](https://github.com/davglass/license-checker/commit/b5f5c6ae03a8c66c52ff3d8172474a4bbaa99) [fixes #78] - include notice file if found (@davglass)
- [dfcbd0f](https://github.com/davglass/license-checker/commit/dfcbd6f4966ad7e065f71e45cb08ba8fe62ab) changelog (@davglass)
- [99976d0](https://github.com/davglass/license-checker/commit/99976d07980e241384be10341d0350d08de9cea5) 7.1.1 (@davglass)
- [ef857b7](https://github.com/davglass/license-checker/commit/ef857b7e9bab706299a1cc565ec5d144893af424) [fixes #77] fixed readme file name parsing, made it more strict (@davglass)

### v7.1.1 (2016/09/07 19:16 +00:00)
- [28be6d4](https://github.com/davglass/license-checker/commit/28be6d4128a3625cf8ed37ba149e79ed3a41b4fa) changelog (@davglass)

### v7.1.0 (2016/09/07 15:12 +00:00)
- [9f8b7f1](https://github.com/davglass/license-checker/commit/9f8b7f1c367dfe86342ee5f5cc97171bf97281aa) 7.1.0 (@davglass)
- [60fce1a](https://github.com/davglass/license-checker/commit/60fce1a24a4ef5ad98a08dd8c8a85870db3fae6) Fixed order of operations for parsing (@davglass)
- [9d4db11](https://github.com/davglass/license-checker/commit/9d4db112794b8110a1bfe0abfe2d3e63bc812299) Updated changelog (@davglass)

### v7.0.0 (2016/09/06 14:50 +00:00)
- [a3a08da](https://github.com/davglass/license-checker/commit/a3a08da7b0860d72405f655e107f36b16b45fea) 7.0.0 (@davglass)
- [b993399](https://github.com/davglass/license-checker/commit/b9933994472162cc9c4292cb42f900e17a5167f) added contrib (@davglass)
- [d783029](https://github.com/davglass/license-checker/commit/d7830297b053496e45b7145b3ca5809ac8ab1d1) Fixes #76 - If readme data not found, look for it on disk (@davglass)
- [#75](https://github.com/davglass/license-checker/pull/75) Merge pull request #75 from revov/master (@revov)
- [6204a24](https://github.com/davglass/license-checker/commit/6204a24aee71ae0329bf42c1ca6cf37713741f32) Fix incorrect example in README (@revov)
### v6.0.0 (2016/08/26 19:46 +00:00)
- [4bca140](https://github.com/davglass/license-checker/commit/4bca140db752b7b98ad1e261e5ee965d84995741) 6.0.0 (@davglass)
- [889ff17](https://github.com/davglass/license-checker/commit/889ff171ae01a2180f4c9100ca9e52a8264d81) updating tests (@davglass)
- [ed18801](https://github.com/davglass/license-checker/commit/ed188010351c4afbf4d032dfa1025de53bf10f) Merge branch 'nodeback' of git://github.com/bengl/license-checker into bengl-nodeback (@davglass)
- [34bb266](https://github.com/davglass/license-checker/commit/34bb2667cd0e25500fa545df4e18ae216b8cc7) dropping node 0.10 and adding node 6.0 to travis (@davglass)
- [1d30667](https://github.com/davglass/license-checker/commit/1d306674a7ffeace2ca31f2bd76d7584c79222bc) updating tests (@davglass)
- [65d7c73](https://github.com/davglass/license-checker/commit/65d7c73f96711003fc71ae24a4a5391bd48046) Cleaned up some code (@davglass)
- [f753998](https://github.com/davglass/license-checker/commit/f753998a06cbb5f9df6430b3588ab3cfe81339) Merge branch 'master' of git://github.com/amittkSharma/license-checker into amittkSharma-master (@davglass)
- [28e4462](https://github.com/davglass/license-checker/commit/28e4462543724685080c1623dc2bd57cabb1c30) Added tests and cleaned up linting (@davglass)
- [153857a](https://github.com/davglass/license-checker/commit/153857a251a97d14c883f6479579844b2980b5aa) Publisher Information incorporated.
- [1265cb3](https://github.com/davglass/license-checker/commit/1265cb38d186ab1609dbfda4124f23f8aa15846) Added ability to output individual license files (@aweber1)
- [49e11d0](https://github.com/davglass/license-checker/commit/49e11d049645d65b7ef6d3c778af54eb13af888) fix tests (@bengl)
- [26ff66f](https://github.com/davglass/license-checker/commit/26ff66f63d43c3729a18f9c01c137608b3d5e4fa) use nodeback/errback (@bengl)

### v5.1.2 (2016/05/04 18:32 +00:00)
- [7010c77](https://github.com/davglass/license-checker/commit/7010c77667ad134fe01f02c298e7df2a4080e311) 5.1.2 (@davglass)
- [#67](https://github.com/davglass/license-checker/pull/67) Merge pull request #67 from graingert/patch-2 (@graingert)
- [a6ee290](https://github.com/davglass/license-checker/commit/a6ee2904eb7fcced220dcfe8548f80ec74fde3a2) Upgrade read-installed (@graingert)
- [42e29c6](https://github.com/davglass/license-checker/commit/42e29c637940959121842762d74921bece5e8d93) migrating tests from vows to mocha (@davglass)

### v5.1.1 (2016/04/14 13:20 +00:00)
- [69e0334](https://github.com/davglass/license-checker/commit/6ae03348ca8e5835ac732028adfab664a381efc4) 5.1.1 (@davglass)
- [0720a46](https://github.com/davglass/license-checker/commit/0720a46569f3e12eb398165526944f307e08aad6) Fixes #64 - Turn off color for --json/markdown/csv options (@davglass)

### v5.1.0 (2016/03/09 15:50 +00:00)
- [86772d2](https://github.com/davglass/license-checker/commit/86772d202b63d4a4e6729b9a774193ca6ef5cb3f) 5.1.0 (@davglass)

- [#61](https://github.com/davglass/license-checker/pull/61) Merge pull request #61 from sgdck/master (@sgtdck)
  - [6547ac1](https://github.com/davglass/license-checker/commit/6547ac1ded58560c7c4abdfe68fa69d17b81fe1e) Removed obsolete d[key].name assignment from tests (@sgtdck)

- [00b18a6](https://github.com/davglass/license-checker/commit/00b18a6012387e1a4a8284e07bf2d08740e03dd) Added a --relativeLicensePath option to display the license file relatively to the current path. (@sgtdck)

- [629da20](https://github.com/davglass/license-checker/commit/629da20e0d1170057fd9e05fe9c293d2f1bda) Added latest contributors (@davglass)

### v5.0.1 (2016/02/08 15:57 +00:00)

- [33731fc](https://github.com/davglass/license-checker/commit/33731fca482936a7a18ffe3ca2f3cd41e3a625) 5.0.1 (@davglass)

- [fe06eaef](https://github.com/davglass/license-checker/commit/fe06eaef8844d050ad0f80d576a221dd605131de) Fixed replace (@davglass)

- [997914f](https://github.com/davglass/license-checker/commit/997914fd6f94030452d4d9bf549eb5892ab31c3) fix git+https URLs (@grainert)

- [57](https://github.com/davglass/license-checker/pull/57) Merge pull request #57 from Damien-Larmine/doc-license-asterisk (@Damien-Larmine)

- [2adff2d](https://github.com/davglass/license-checker/commit/2adff2da98a5af79479a162e4998eb5892ab31c3) Explicit the asterisk in license report (@Damien-Larmine)

- [b2fc9cf](https://github.com/davglass/license-checker/commit/b2fc9cf2a8ea008c7593037d046f245a7ce7f25) 5.0.0 (@davglass)

- [7715c53](https://github.com/davglass/license-checker/commit/7715c53833cf1318ffe842e15ecb293d2f1bda) updated contributors (@davglass)

### v5.0.0 (2016/01/22 15:31 +00:00)

- [55](https://github.com/davglass/license-checker/pull/55) Merge pull request #55 from davglass/devflag (@davglass)

- [ff1d8f2](https://github.com/davglass/license-checker/commit/ff1d8f20d5d7248a4f6e12fc9279fde91a6ec6) supporting --production and --development flags (@davglass)

- [53](https://github.com/davglass/license-checker/pull/53) Merge pull request #53 from swashcap/upgrade-46-verbose-output (@swashcap)

- [54](https://github.com/davglass/license-checker/pull/54) Merge pull request #54 from davglass/travis-updates (@davglass)

- [2c80d9d](https://github.com/davglass/license-checker/commit/2c80d9dd2d3c5934069863014256096a91e644) fixing tests in other node versions (@davglass)

- [78820ac](https://github.com/davglass/license-checker/commit/78820ac33ab8a8ed7409c8a5f887705c8b2848e) travis config updates (@davglass)

- [f94263b](https://github.com/davglass/license-checker/commit/f94263b203046e2f52d64997e0261489010eb38d) Update documentation for debug use. (@swashcap)

- [f94263b](https://github.com/davglass/license-checker/commit/f29e44d697527221ef22b03a9d67820015446f) Change `console.error` call to use debug module. (@swashcap)

- [7312daf](https://github.com/davglass/license-checker/commit/7312daf7af195a1b9d1b1f290fae15963fbb2ab4) Add debug to project. (@swashcap)

### v4.2.0 (2015/10/20 13:44 +00:00)

- [3583d92](https://github.com/davglass/license-checker/commit/3583d925e96f9f63b3bfb0f101b11c8448aed0e7)
4.2.0 (@davglass)
- [981eeda](https://github.com/davglass/license-checker/commit/981eeda898084dea88d54ea29c5bda93c5313fb6) Fixes #49: Default to unknown if licenses null and added ISC support (@davglass)

### v4.1.2 (2015/09/29 13:46 +00:00)
- [ba946dd](https://github.com/davglass/license-checker/commit/ba946dd1065e762c36b27dcecd9bb7389ad18d4) 4.1.2 (@davglass)
- [#48](https://github.com/davglass/license-checker/pull/48) Merge pull request #48 from CantemoInternal/master (@CantemoInternal)
- [e314af6d](https://github.com/davglass/license-checker/commit/e314af6d1f505d19478c33871640a763fabff6abd) Fix json, csv and markdown output for license-checker (@mattiasa)

### v4.1.1 (2015/09/12 14:39 +00:00)
- [c918314](https://github.com/davglass/license-checker/commit/c918314bf687b647d1d288bb5857dd1caac1393) 4.1.1 (@davglass)
- [#47](https://github.com/davglass/license-checker/pull/47) Merge pull request #47 from tmpvar/ensure-bin-runs (@tmpvar)
- [a842eca](https://github.com/davglass/license-checker/commit/a842ecae4f008c07df3039dcaacc464617273625) add missing ) (@tmpvar)
- [1d513bb](https://github.com/davglass/license-checker/commit/1d513bb673d726f34286061446f965e46d96170e) ensure bin/license-checker works at a high-level (@tmpvar)

### v4.1.0 (2015/09/09 14:52 +00:00)
- [a4bb437](https://github.com/davglass/license-checker/commit/a4bb437ffaa806c0832f877da2de7a107863d0a1f) 4.1.0 (@davglass)
- [dd31317a](https://github.com/davglass/license-checker/commit/dd31317a5a0934400201812bb08de2f39bbbf07a0) fixed all of the windows line endings (@davglass)
- [11e6487](https://github.com/davglass/license-checker/commit/11e64870484435e1e6f8efb9b0f13e6b2f737a6b) Fix issues caused by merge (@ptusch)
- [313a7ed](https://github.com/davglass/license-checker/commit/313a7edc3dbdf8d5e43a8da89306d3c89326bc) Merge remote-tracking branch 'remotes/upstream/master' into ft_custom_format (@ptusch)
- [1f5e326](https://github.com/davglass/license-checker/commit/1f5e326dbca91fc8a396b9e02efe3eac9fd82a82) added contributors to package.json (@davglass)
- [#45](https://github.com/davglass/license-checker/pull/45) Merge pull request #45 from hufsm/ft_error_handling (@hufsm)
- [c80634](https://github.com/davglass/license-checker/commit/c80634ab6f7eaelf297d0c23af536b290ba8c81) Remove unused var statement (@ptusch)
- [778b1fa](https://github.com/davglass/license-checker/commit/778b1fa1a9c1be0c8165416502522d2f17e0) More tests to fulfill the required % (@ptusch)
- [22257d9](https://github.com/davglass/license-checker/commit/22257d95490765db816578cc4c8c2b562699ffaa) Add tests for licenses (WTFPL) (@ptusch)
- [0fe7561](https://github.com/davglass/license-checker/commit/0fe75611a73970fe9e9a0ab2d0435b2) Remove unused filter option (never used) (@ptusch)
- [83caa10](https://github.com/davglass/license-checker/commit/83caa10493a5a05ffba6c0e80b5039c4fd65d6) Change license shortcut for WTFPL (@ptusch)
- [3e3348db](https://github.com/davglass/license-checker/commit/3e3348db5feeb7bd356ebeff3cd3e69329dcb8c1) More tests for the custom formatter (@ptusch)
- [96c2d6f](https://github.com/davglass/license-checker/commit/96c2d6f24c509df2bf3f6bd8b83a613f8d9ecc)
Add tests for customFormatter (@ptusch)
-  [c9948c4](https://github.com/davglass/license-checker/commit/c9948c4b7b2cccd053ba63f4fd2a6a6d0a46493)  Add test configs (@ptusch)
-  [4b2dea0f](https://github.com/davglass/license-checker/commit/4b2dea0f124f6aba63abd2129625825c3b5a6570)  Fix merge issues - semicolon slipped through (@ptusch)
-  [cc7662a](https://github.com/davglass/license-checker/commit/cc7662a46719c977745410e3ac2b782f937dc54ef)  Merge branch 'master' into ft_error_handling (@ptusch)
-  [04a2294](https://github.com/davglass/license-checker/commit/04a2294b82a8227cccb83d76f73cbdf62af533)  Add additional test (@ptusch)
-  [52fa91c](https://github.com/davglass/license-checker/commit/52fa91c5c5c345736eeb6e9f7400a27a773502d2)  Add parseJson test (@ptusch)
-  [d846c5e](https://github.com/davglass/license-checker/commit/d846c5e69707373dd3085688e7b601e9ea4546417)  Fix tests after merge conflict (@ptusch)
-  [7eeac458](https://github.com/davglass/license-checker/commit/7eeac458f003b5bda4ef966768bb457f7e8dc44)  Merge branch 'master' into ft_custom_format (@ptusch)
-  [4aa7065](https://github.com/davglass/license-checker/commit/4aa7065c5eeef88d49ce684369b2edd9802c3f374)  Add tests for customFormat (@ptusch)

### v4.0.0 (2015/09/04 13:40 +00:00)
-  [3fbba5b](https://github.com/davglass/license-checker/commit/3fbba5bd5a489ea8c17328aaf17c4d5e9beb17e)  4.0.0 (@davglass)
-  [ce8d661](https://github.com/davglass/license-checker/commit/ce8d66108a49af7855c16231ce675c567a2ff7f)  tests: added 100% coverage for license file (@davglass)
-  [42](https://github.com/davglass/license-checker/pull/42) Merge pull request #42 from ptusch/ft_onlyunknown (@ptusch)
-  [8929e90](https://github.com/davglass/license-checker/commit/8929e90413be0362f19e7750458e9218c372abf68)  Add tests for the error generation (@ptusch)
-  [1a93a41](https://github.com/davglass/license-checker/commit/1a93a41569a53a1580c94c2c903a5bc127ad2692)  Add error handling (@ptusch)
-  [6b79145](https://github.com/davglass/license-checker/commit/6b791457463dca71b2b2b09e4ef16b8f982db682)  Add additional check to negate the test (@ptusch)
-  [559e72c](https://github.com/davglass/license-checker/commit/559e72ccab2420bc42b8f28b498702dad13ef967a)  Add test for the first function call. (@ptusch)
-  [fafa8ff1](https://github.com/davglass/license-checker/commit/fafa8ff69fd8ae475484a9b47b57a7b6ea738856)  Remove trivial UNKNOWN check (@ptusch)
-  [6fa44e7f](https://github.com/davglass/license-checker/commit/6fa44e7f0c45ab20a1291b45990ed52adfc0e2)  Merge branch 'master' into ft_custom_format (@ptusch)
-  [ef23d9](https://github.com/davglass/license-checker/commit/ef23d991fcfe4b04c6d90b0fd13461408da822b1f)  Merge branch 'master' into ft_onlyunknown (@ptusch)
-  [c287959](https://github.com/davglass/license-checker/commit/c2879592858805d7eced034a39e5cf079e6a7c)  Add option to only show unknown licenses (@ptusch)
-  [43](https://github.com/davglass/license-checker/pull/43) Merge pull request #43 from senotrusov/master (@senotrusov)
-  [d7a663f](https://github.com/davglass/license-checker/commit/d7a663f9deeb4d7a648a6d2cb9db84d5667ee540)  Add test for exclude option. (@senotrusov)
-  [45a27de](https://github.com/davglass/license-checker/commit/45a27de02a3c1d57a86e3f8e814b66335788c23b)  Add option to exclude from the output modules which licenses are in the comma-separated list (@senotrusov)
-  [41](https://github.com/davglass/license-checker/pull/41) Merge pull request #41 from
ptusch/ft_path_to_unknown_dependency (@ptusch)
- [ff5f22](https://github.com/davglass/license-checker/commit/ff5f225fd2ba97efdf3f6462981832740c19) Add option to see the path of a dependency if unknown (@ptusch)
- [ea4d629](https://github.com/davglass/license-checker/commit/ea4d6297de32d94201bb4786da7ba824d928c8f2) Add additional 'undefined' checks (@ptusch)
- [af043a2](https://github.com/davglass/license-checker/commit/af043a2c11af45d28bfe71914cd10672855b3297) Merge branch 'master' into ft_custom_format (@ptusch)
- [2d94a19](https://github.com/davglass/license-checker/commit/2d94a19ec177836345a4227893a82d95614b2e) updating the docs for --unknown to make it clear (@davglass)
- [38a2bd2](https://github.com/davglass/license-checker/commit/38a2bd28a9597f6db06d844258f170054b38bcbf) Fix codestyle and whitespaces (@ptusch)
- [dd173ba](https://github.com/davglass/license-checker/commit/dd173badc65368dc6140476ffe5ae3768fbf9618) Add --customPath in README.md (@ptusch)
- [911fc1c](https://github.com/davglass/license-checker/commit/911fc1c6b5cc27a32aac50b309c8be138bc707) Finalize the customFormat (markdown) (@ptusch)
- [8102091](https://github.com/davglass/license-checker/commit/8102091f7949fa8b73cfc803e4ae36d24b81148) Add functionality to add a custom format (@ptusch)

### v3.1.0 (2015/06/29 14:25 +00:00)
- [59e1e58](https://github.com/davglass/license-checker/commit/59e1e58ca0bea1cd3e3da1712fe7ca624d860b0) 3.1.0 (@davglass)
- [0e33f7a](https://github.com/davglass/license-checker/commit/0e33f7a2cb9fa69d13d1e2b5c69f70885e09e08) reformatted code, fixed lint issues and added tests (@davglass)
- [83a7f09](https://github.com/davglass/license-checker/commit/83a7f093d1ccf331279e53c1eece1e4efface91) Merge branch 'asMarkdown' of git://github.com/ptusch/license-checker into ptusch-asMarkdown (@davglass)
- [703ad47](https://github.com/davglass/license-checker/commit/703ad471473559e05267e8f7d24c74e5b9d3aeef0) fixing tests (@davglass)
- [2d9fffd](https://github.com/davglass/license-checker/commit/2d9fffd75192e9812692e9099481d23e265bb493) Added Markdown Option (@ptusch)
- [67dca36](https://github.com/davglass/license-checker/commit/67dca36b941a7265e4a98d2de533b22c761b169) Remove color tags (@ptusch)

### v3.0.3 (2015/06/03 13:35 +00:00)
- [7475c12](https://github.com/davglass/license-checker/commit/7475c129bf291289e4616d9692a962ae537401e8) 3.0.3 (@davglass)
- [c7dae0f](https://github.com/davglass/license-checker/commit/c7dae0f5e3517a17b3afe618c118f46bb43a56) spdx license (@davglass)

### v3.0.2 (2015/05/12 20:29 +00:00)
- [01f3b53](https://github.com/davglass/license-checker/commit/01f3b5384998be6243d38e0d95a4478e5fe3cfa5) 3.0.2 (@davglass)
- [fc0c083](https://github.com/davglass/license-checker/commit/fc0c0832ee291c55e53e6b37a7b9d89f191bc7) defensive code, fixes #34 (@davglass)

### v3.0.1 (2015/05/04 12:28 +00:00)
- [0479570](https://github.com/davglass/license-checker/commit/0479570fa87ecce9b37fbb25afaee7faeece6636) 3.0.1 (@davglass)
- [d85e355](https://github.com/davglass/license-checker/commit/d85e355b55998952f2a02eacf8d374f369a9e)
the current key is found to be already in the data object (which means it was already processed), we stop processing
that key and return the data object. (@yzapuchlak)

### v1.0.0 (2014/11/21 13:56 +00:00)
- [917193d](https://github.com/davglass/license-checker/commit/917193dab27147534976b71307a77f48198ca322)
  1.0.0 (@davglass)
- [63e5f9c](https://github.com/davglass/license-checker/commit/63e5f9c77e348720b3867171bce67541e846d088)
  added options.filter to checker.init (@davglass)

### v0.1.2 (2014/11/20 15:48 +00:00)
- [8e5f5f0](https://github.com/davglass/license-checker/commit/8e5f5f0e7f83252e4039f6c7d166acc1a33a)
  0.1.2 (@davglass)
- [3d7a74e](https://github.com/davglass/license-checker/commit/3d7a74e90122f908057b2008ab29d8bd49011291)
  fixed lint issue (@davglass)

### v0.1.1 (2014/11/20 15:47 +00:00)
- [750d507](https://github.com/davglass/license-checker/commit/750d5079d32b44ec984ff7ed672498d1b197235)
  0.1.1 (@davglass)
- [94522e0](https://github.com/davglass/license-checker/commit/94522e0994934dfdf163c3f2c5cabc3e6aa196cf8)
  fixed merge issues (@davglass)

### v0.1.0 (2014/11/20 15:41 +00:00)
- [8127f5e](https://github.com/davglass/license-checker/commit/8127f5e79ececb7df86cd5f694080e4183dc81)
  0.1.0 (@davglass)
- [76c71ac](https://github.com/davglass/license-checker/commit/76c71ac46baeca8c349fe5892db659e859b9608)
  Updated to newer read-installed (@davglass)

### v0.0.10 (2014/08/12 12:48 +00:00)
- [807507d](https://github.com/davglass/license-checker/commit/807507df1a293bc0360adfd725a9f911331ff2b)
  0.0.10 (@davglass)
- [e39ad9b](https://github.com/davglass/license-checker/commit/e39ad9bc6b5d4af72d42d659e859b9608)
  Added checking that the license file is a normal file, because otherwise an appropriately named directory crashes the
  license-checker through EISDIR, illegal operation on a directory.
- [40ca4da](https://github.com/davglass/license-checker/commit/40ca4dadbc163ca774c87b1de249bd295952fa9)
  colorize (@couchand)

### v0.0.9 (2014/07/29 01:48 +00:00)
- [c14ef79](https://github.com/davglass/license-checker/commit/c14ef79f10f950ff0985e7e0b3138147f98ab1ec)
  0.0.9 (@davglass)
- [ba1b66b](https://github.com/davglass/license-checker/commit/ba1b66b6172a2f9f8dbcdc56f4020620b0c0916b)
  Fixes #12 - Using some nicer regexes (@davglass)
- [bce94d5](https://github.com/davglass/license-checker/commit/bce94d5a8ab2f146356851776b2543df65fbf750)
  case insensitive check (@davglass)
- [87c3406](https://github.com/davglass/license-checker/commit/87c3406aee2507eaf1d00592f6dcb59a16e7c48)
  Allow for LICENCE (@gdw2)

### v0.0.8 (2014/07/07 20:10 +00:00)
- [6ad6ee2](https://github.com/davglass/license-checker/commit/6ad6ee21813e698e7f995e98dcafabd961f6a33)

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Added tests and refactored the code a little (@davglass)
- [275f276](https://github.com/davglass/license-checker/commit/275f276dc66d5635f9cb5b7e9a978e286f2d174) Added --csv option to readme file
- [d91eb72](https://github.com/davglass/license-checker/commit/d91eb7289466853ae6ea88448b953b4d3d98ebab5) Apparently abbrev is now at version 1.0.5 which caused the unit test to fail.
- [40b4a42](https://github.com/davglass/license-checker/commit/40b4a420e520c2008b9395d1a8f6d38b56f846f5) Modified changes based on lshint output during Travis build
- [54e2390](https://github.com/davglass/license-checker/commit/54e2390cefd1cd664a15cd3a84347227f889f48b) Added csv output option similar to the existing JSON output option. Requires an output filename.

### v0.0.7 (2014/02/26 04:52 +00:00)
- [1ce6d42](https://github.com/davglass/license-checker/commit/1ce6d42147b2d023787081e8e0859003b331816cf) 0.0.7 (@davglass)
- [7d04195](https://github.com/davglass/license-checker/commit/7d041959450c68b3c5f427007c43cd673c36adfb) Added not check and a proper test (@davglass)
- [40df6e25](https://github.com/davglass/license-checker/commit/40df6e2580946c33ee1d408e28ff523852e8eb2) Undefined handling (@garrows)
- [90217d0](https://github.com/davglass/license-checker/commit/90217d070df62cf76eb4e7b1610ed5eef6ae840d) travis Stuff (@davglass)
- [2bd76c8](https://github.com/davglass/license-checker/commit/2bd76c894f740cd83f6246e0c7341832c6432d8b) 0.0.6 (@davglass)
- [6f390ff](https://github.com/davglass/license-checker/commit/6f390ff66b3a107939e6d32576bcbdfefb5907) Added some better tests (@davglass)
- [2dbac3](https://github.com/davglass/license-checker/commit/2dbac37b5795cbe6db53452d0e41d4bce3153f) Looking for WTFPL as well as the string (@davglass)
- [5d91a07](https://github.com/davglass/license-checker/commit/5d91a073a8b76ec9a497c1c3b83198ce97e144fd) Flattened array of one (@davglass)
- [e95da82](https://github.com/davglass/license-checker/commit/e95da820c63e0d56c4567f1caf0d7142d3110eca) Fixed extra var (@davglass)
- [fe8f2f7](https://github.com/davglass/license-checker/commit/fe8f2f7d39d520c04d87d34c9d4f55d59f422d) Removing unnecessary log statement (@paulmand3l)
- [72af624](https://github.com/davglass/license-checker/commit/72af62403ed43ecf5ece07bb504cb931c0e53f6a3) Adding license checks in the LICENSE file (and variations) (@paulmand3l)
- [#7](https://github.com/davglass/license-checker/pull/7) Merge pull request #7 from jamesbloomer/master (@jamesbloomer)
- [a81ee0](https://github.com/davglass/license-checker/commit/a81ee0a27f580688e371cc15015e848f591bb92) Fixed missing "install" in npm -g (@jamesbloomer)
- [416bd01](https://github.com/davglass/license-checker/commit/416bd01219e07a8274e05cd883ece05037690adeb) Updated Version (@davglass)
- [6d9bd1e](https://github.com/davglass/license-checker/commit/6d9bd1e1925202c871693d4b1e9bac8c055683e8b) Fixed lint issue and added a test placeholder. Will add more tests soon (@davglass)
- [655a316](https://github.com/davglass/license-checker/commit/655a316f6448daf3c44f98b88e8878a95a8b153e) Added Travis test file (@davglass)
- [99895df](https://github.com/davglass/license-checker/commit/99895df63ac09fd3eae88c935311fb1b3f88a688e) Version Bump (@davglass)
- [#4](https://github.com/davglass/license-checker/pull/4) Merge pull request #4 from badunk/refactor (@badunk)
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```
language: node_js
node_js:
  - "6"
  - "8"
cache:
  directories:
    - "node_modules"
```

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7. INDEMNIFICATION AND LIMITATION OF LIABILITY

7.1 Limitation of Liability

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, (II) LICENSEE'S DUTY TO PAY ALL APPLICABLE LICENSE FEES AND COMPENSATIONS, AND (III) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY LOSS OF PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THIS AGREEMENT.
EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, (II) LICENSEE’S DUTY TO PAY ALL APPLICABLE LICENSE FEES AND COMPENSATIONS, AND (III) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY’S TOTAL AGGREGATE LIABILITY UNDER THIS AGREEMENT EXCEED THE AGGREGATE LICENSE FEES RECEIVED BY THE QT COMPANY FROM LICENSEE DURING THE PERIOD OF TWELVE (12) MONTHS IMMEDIATELY PRECEDING THE EVENT RESULTING IN SUCH LIABILITY.

THE PROVISIONS OF THIS SECTION 7 ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE QT COMPANY AND LICENSEE AND THE PARTIES HAVE RELIED UPON THE LIMITATIONS SET FORTH HEREIN IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT.

7.2 Licensees Indemnification

Licensee shall indemnify and hold harmless The Qt Company from and against any claim, injury, judgment, settlement, loss or expense, including attorneys’ fees related to: (a) Licensee’s misrepresentation in connection with The Qt Company or the Licensed Software or breach of this Agreement, (b) the Application or Device (except where such cause of liability is solely attributable to the Licensed Software).

8. SUPPORT, UPDATES AND ONLINE SERVICES

Licensee will be eligible to receive Support and Updates and to use the Online Services during the Support Term. Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be included in the Support but may be available subject to additional fees.

Licenses granted under this Agreement shall include a prepaid Initial Support Term.

Initial Support Term shall be automatically extended to one or more Support Renewal Term(s), unless and until either Party notifies the other Party in writing that it does not wish to continue the Support, such notification to be provided to the other Party no less than ninety (90) days before expiry of the Initial Support Term or respective Support Renewal Term. During any such Support Renewal Term Support shall be available subject to prices and terms agreed between the Parties or, if no advance agreement exists, subject to The Qt Company's standard pricing applicable at the commencement date of any such Support Renewal Term. From time to time The Qt Company may change Support provided within each Support plan; provided that during the respective Initial Support Term or Support Renewal Term (as the case may be), the level of Support provided by The Qt Company may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to the Customers.
9. CONFIDENTIALITY

Each Party acknowledges that during the Term of this Agreement each Party may receive information about the other Party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.

The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade secrets, for so long as such trade secrets are protected under applicable trade secret laws.

10. FEES, DELIVERY AND PAYMENT

10.1 License Fees

License Fees are described in The Qt Company's standard price list, quote or
Purchase Order confirmation or in an appendix hereto, as the case may be. The License Fees shall not be refunded or claimed as a credit, even on the ground that Distribution Licenses are not used, i.e. Redistributables are not actually distributed corresponding to the Distribution Licenses purchased, or for any other reason.

10.2 Ordering Licenses

Licensee may purchase Development Licenses and Distribution Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the Parties.

10.3 Distribution

License Packs Unless otherwise agreed, the Distribution Licenses are bought by way of Distribution License Packs.

Upon due payment of the ordered Distribution License Pack(s), the Licensee will have an account of Distribution Licenses available for installing, bundling or integrating (all jointly "installing") the Redistributables with the Devices or for otherwise distributing the Redistributables in accordance with this Agreement.

Each time Licensee "installs" or distributes a copy of Redistributables, then one Distribution License is used, and Licensee's account of available Distribution Licenses is decreased accordingly.

Licensee may "install" copies of the Redistributables so long as Licensee has Distribution Licenses remaining on its account.

Redistributables will be deemed to have been "installed" into a Device when one of the following circumstances shall have occurred: a) the Redistributables have been loaded onto the Device and used outside of the Licensee's premises or b) the Device has been fully tested and placed into Licensee's inventory (or sold) for the first time (i.e., Licensee will not be required to use (or pay for) more than one Distribution License for each individual Device, e.g. in a situation where a Device is returned to Licensee's inventory after delivery to a distributor or sale to a Customer). In addition, if Licensee includes a back-up copy of the Redistributables on a CD-ROM or other storage medium along with the product, that backup copy of the Redistributables will not be deemed to have been "installed" and will not require an additional Distribution License.
10.4 Payment Terms
License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee. A late payment charge of the lower of (a) one percent per month; or (b) the interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due.

The Qt Company shall have the right to suspend, terminate or withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Developer License, Distribution License, and Support, should Licensee fail to make payment in a timely fashion.

10.5 Taxes
All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax and other taxes, duties or tariffs ("Taxes"). Such applicable Taxes shall be paid by Licensee, or, where applicable, in lieu of payment of such Taxes, Licensee shall provide an exemption certificate to The Qt Company and any applicable authority.

11 RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS

11.1 Licensee's Record-keeping
Licensee shall at all times maintain accurate and up-to-date written records of Licensee's activities related to the use of Licensed Software and distribution of Redistributables. The records shall be adequate to determine Licensee's compliance with the provisions of this Agreement and to demonstrate the number of Designated Users and Redistributables distributed by Licensee. The records shall conform to good accounting practices reasonably acceptable to The Qt Company.

Licensee shall, within thirty (30) days from the end of each calendar quarter, deliver to The Qt Company a report detailing the number of Designated Users and copies of Redistributables distributed by Licensee during that calendar quarter, and also detailing the number of undistributed copies of Redistributables made by Licensee and remaining in its account (i.e., undistributed copies for which Distribution Licenses have been or need to be obtained from The Qt Company). Such report shall contain such other information as The Qt Company shall reasonably require from time to time.

11.2. The Qt Company's Audit Rights
The Qt Company or an independent auditor acting on behalf of The Qt Company's,
may, upon at least five (5) business days’ prior written notice and at its expense, audit Licensee with respect to the use of the Redistributables, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee’s place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records. All such Licensee's Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee agrees to immediately pay The Qt Company any amounts owed for such unauthorized use.

In addition, in the event the audit reveals a material violation of the terms of this Agreement (underpayment of more than 5% of License Fees shall always be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12 TERM AND TERMINATION

12.1 Term

This Agreement shall enter into force upon due acceptance by both Parties and remain in force for the Term, unless and until terminated pursuant to the terms of this Section 12.

12.2 Termination by The Qt Company

The Qt Company shall have the right to terminate this Agreement upon thirty (30) days prior written notice if (i) the Licensee is in material breach of any obligation of this Agreement and fails to remedy such breach within such notice period; (ii) or Licensee or any of its Affiliates bring a suit before any court or administrative agency or otherwise assert a claim against The Qt Company’s or any of its Affiliates' Intellectual Property Rights or validity thereof.

12.3 Mutual Right to Terminate

Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4 Parties Rights and Duties upon Termination
Upon expiry or termination of the Agreement for any reason, Licensee shall, within 30 days after such termination, cease and shall cause all Designated Users (including those of its Affiliates’ and Contractors’) and Licensee's SDK Contractors to cease using the Licensed Software and distribution of the Redistributables under this Agreement. Notwithstanding the above, in the event the Agreement expires or is terminated for reason other than by The Qt Company pursuant to Section 12.2, the Licensee is entitled, for a period of six (6) months after the effective date of termination, to continue distribution of Devices under the Distribution Licenses paid but unused at such effective date of termination.

Upon any such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee shall immediately pay to The Qt Company all such fees upon the effective date of termination. Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

13. GOVERNING LAW AND LEGAL VENUE

In the event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The arbitration shall be administered by JAMS pursuant to JAMS' Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish
Company, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of Finland Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

14. GENERAL PROVISIONS

14.1 No Assignment Licensee

shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2 No Third Party Representations

Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on The Qt Company's behalf shall be void as to The Qt Company.

14.3 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive.

14.4 Entire Agreement

This Agreement, the exhibits hereto, the License Certificate and any applicable Purchase Order constitute the complete agreement between the Parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein. In the event of any conflict or inconsistency between this Agreement and
any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

14.5 Modifications

No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee's Purchase Order shall apply unless expressly accepted by The Qt Company in writing.

14.6 Force Majeure

Except for the payment obligations hereunder, neither Party shall be liable to the other for any delay or non-performance of its obligations hereunder in the event and to the extent that such delay or non-performance is due to an event of act of God, terrorist attack or other similar unforeseeable catastrophic event that prevents either Party for fulfilling its obligations under this Agreement and which such Party cannot avoid or circumvent ("Force Majeure Event"). If the Force Majeure Event results in a delay or non-performance of a Party for a period of three (3) months or longer, then either Party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other Party.

14.7 Notices

Any notice given by one Party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving Party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified for The Qt Company in the beginning of this Agreement, and for the Licensee in the Licensee's account profile. Each communication and document made or delivered by one Party to the other Party pursuant to this Agreement shall be in the English language.

14.8 Export Control

Licensee acknowledges that the Redistributables may be subject to export control restrictions under the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all lawses hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9 No Implied License

There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall
remain with The Qt Company and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by The Qt Company under this Agreement.

14.10 Attorney Fees

The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney's fees and costs in connection with such action.

14.11 Severability

If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

IN WITNESS WHEREOF, the Parties hereto, intending to be legally bound hereby, have caused this Agreement to be executed by Licensees authorized representative installing the Licensed Software and accepting the terms hereof in connection therewith.

Appendix 1

1. Parts of the Licensed Software that are permitted for distribution in object code form only ("Redistributables") under this Agreement:

- The Licensed Software's essential and add-on libraries

- The Licensed Software's configuration tool ("qtconfig")

- The Licensed Software's help tool ("Qt Assistant")

- The Licensed Software's internationalization tools ("Qt Linguist", "lupdate", "lrelease")

- The Licensed Software's QML ("Qt Quick") launcher tool ("qmlscene" and "qmlviewer")

- The Licensed Software's installer framework

2. Parts of the Licensed Software that are not permitted for distribution include, but are not limited to:

- The Licensed Software's source code and header files

- The Licensed Software's documentation

- The Licensed Software's documentation generation tool ("qdoc")
- The Licensed Software's tool for writing makefiles ("qmake")
- The Licensed Software's Meta Object Compiler ("moc")
- The Licensed Software's User Interface Compiler ("uic" or in the case of Qt Jambi: "juic")
- The Licensed Software's Resource Compiler ("rcc")
- The Licensed Software's generator (only in the case of Qt Jambi if applicable)
- The Licensed Software's parts of the IDE tool ("Qt Creator")
- The Licensed Software's Emulator
- Build scripts, recipes and other material for creating the configuration of Licensed Software and/or 3rd party components, including the reference operating system configuration delivered in conjunction with the 
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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
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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.

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you if you distribute copies of the library or if you modify it.

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

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

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

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

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

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

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is
"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

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

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

   a) The modified work must itself be a software library.

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

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

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

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

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

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

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

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

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
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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
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Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data
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(iii) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; provided however that Licensee may use the Licensed Software's scripting and QML ("Qt Quick") functionality solely in order to enable scripting, themes and styles that augment the functionality and appearance of the Application(s) without adding primary and substantial functionality to the Application(s);

(iv) Licensee shall not use Licensed Software in any manner or for any purpose that infringes, misappropriates or otherwise violates any Intellectual property or right of any third party, or that violates any applicable law;

(v) Licensee shall not use The Qt Company's or any of its suppliers' names, logos, or trademarks to market Applications, except that Licensee may use "Built with Qt" logo to indicate that Application(s) was developed using the Licensed Software;

(vi) Licensee shall not distribute, sublicense or disclose source code
of Licensed Software to any third party (provided however that Licensee may appoint employee(s) of Contractors as Designated Users to use Licensed Software pursuant to this Agreement). Such right may be available for the Licensee subject to a separate software development kit ("SDK") license agreement to be concluded with The Qt Company;

(vii) Licensee shall not grant the Customers a right to (i) make copies of the Redistributables except when and to the extent required to use the Applications and/or Devices for their intended purpose, (ii) modify the Redistributables or create derivative works thereof, (iii) decompile, disassemble or otherwise reverse engineer Redistributables, or (iv) redistribute any copy or portion of the Redistributables to any third party, except as part of the onward sale of the Device on which the Redistributables are installed;

(viii) Licensee shall not and shall cause that its Affiliates or Contractors shall not use Licensed Software in any Prohibited Combination, unless Licensee has received an advance written permission from The Qt Company to do so. Absent such written permission, any and all distribution by the Licensee during the Term of a hardware device or product a) which incorporate or integrate any part of Licensed Software or Open Source Qt; or b) where the main user interface or substantial functionality is provided by software built with Licensed Software or Open Source Qt or otherwise depends on the Licensed Software or Open Source Qt, shall be considered to be Device distribution under this Agreement and shall be dependent on Licensee's compliance thereof (including but not limited to obligation to pay applicable License Fees for such distribution). Notwithstanding what is provided above in this sub-section (viii), Licensee is entitled to use and combine Qt 3D Studio and/or Qt Design Studio with Open Source Qt ("Permitted Combination") for its internal evaluation purposes, provided that Licensee shall in no way transfer, publish, disclose, display or otherwise make available any software or work resulting from such Permitted Combination;

(ix) Licensee shall cause all of its Affiliates and Contractors entitled to make use of the licenses granted under this Agreement, to be contractually bound to comply with the relevant terms of this Agreement and not to use the Licensed Software beyond the terms hereof and for any purposes other than operating within the scope of their services for Licensee. Licensee shall be responsible for any and all actions and omissions of its Affiliates and Contractors relating to the Licensed Software and use thereof (including but not limited to payment of all applicable License Fees);

(x) Except when and to the extent explicitly provided in this Section 3, Licensee shall not transfer, publish, disclose, display or otherwise make available the Licensed Software; and
Licensee shall not attempt or enlist a third party to conduct or attempt to conduct any of the above.

Above terms shall not be applicable if and to the extent they conflict with any mandatory provisions of any applicable laws.
Any use of Licensed Software beyond the provisions of this Agreement is strictly prohibited and requires an additional license from The Qt Company.

4. THIRD-PARTY SOFTWARE
The Licensed Software may provide links to third party libraries or code (collectively "Third-Party Software") to implement various functions. Third-Party Software does not comprise part of the Licensed Software. In some cases, access to Third-Party Software may be included with the Licensed Software. Such Third-Party Software will be listed in the "/src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software, as such may be amended from time to time. Licensee acknowledges that use or distribution of Third-Party Software is in all respects subject to applicable license terms of applicable third-party right holders.

5. PRE-RELEASE CODE
The Licensed Software may contain pre-release code and functionality, or sample code marked or otherwise stated with appropriate designation such as "Technology Preview", "Alpha", "Beta", "Sample" etc. ("Pre-Release Code").

Such Pre-Release Code may be present complimentary for the Licensee, in order to provide experimental support or information for new platforms or preliminary versions of one or more new functionalities or for other similar reasons. The Pre-Release Code may not be at the level of performance and compatibility of a final, generally available, product offering. The Pre-Release Code may not operate correctly, may contain errors and may be substantially modified by The Qt Company prior to the first commercial product release, if any. The Qt Company is under no obligation to make Pre-Release Code commercially available, or provide any Support or Updates relating thereto. The Qt Company assumes no liability whatsoever regarding any Pre-Release Code, but any use thereof is exclusively at Licensee's own risk and expense.

For clarity, unless Licensed Software specifies different license terms for the respective Pre-Release Code, the Licensee is entitled to use such pre-release code pursuant to Section 3, just like other Licensed Software, provided however that in the event Add-on Products are included and available as such Pre-Release Code, Licensee's right to use such Add-on Products is nevertheless subject to and conditional upon conclusion of separate agreement with The Qt Company.

6. LIMITED WARRANTY AND WARRANTY DISCLAIMER
The Qt Company hereby represents and warrants that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement.
Except as set forth above, the Licensed Software is licensed to Licensee “as is” and Licensee’s exclusive remedy and The Qt Company’s entire liability for errors in the Licensed Software shall be limited, at The Qt Company’s option, to correction of the error, replacement of the Licensed Software or return of the applicable fees paid for the defective Licensed Software for the time period during which the License is not able to utilize the Licensed Software under the terms of this Agreement.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE QT COMPANY ON BEHALF OF ITSELF AND ITS LICENSORS, SUPPLIERS AND AFFILIATES, DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT WITH REGARD TO THE LICENSED SOFTWARE. THE QT COMPANY DOES NOT WARRANT THAT THE LICENSED SOFTWARE WILL SATISFY LICENSEE’S REQUIREMENTS OR THAT IT WILL OPERATE WITHOUT DEFECT OR ERROR OR THAT THE OPERATION THEREOF WILL BE UNINTERRUPTED.

7. INDEMNIFICATION AND LIMITATION OF LIABILITY

7.1. Limitation of Liability
EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY LOSS OF PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THIS AGREEMENT.

EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY’S TOTAL AGGREGATE LIABILITY UNDER THIS AGREEMENT EXCEED THE AGGREGATE LICENSE FEES PAID OR PAYABLE TO THE QT COMPANY FROM LICENSEE DURING THE PERIOD OF TWELVE (12) MONTHS IMMEDIATELY PRECEDING THE EVENT RESULTING IN SUCH LIABILITY.

THE PROVISIONS OF THIS SECTION 7 ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE QT COMPANY AND LICENSEE AND THE PARTIES HAVE RELIED UPON THE LIMITATIONS SET FORTH HEREIN IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT.

NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS AGREEMENT, LICENSEE SHALL ALWAYS BE LIABLE TO PAY THE APPLICABLE LICENSE FEES CORRESPONDING TO ITS ACTUAL USE OF LICENSED SOFTWARE.

8. SUPPORT, UPDATES AND ONLINE SERVICES
Upon due payment of the agreed License Fees the Licensee will be eligible to receive Support and Updates and to use the Online Services during the License Term, provided, however, that in the event the License Term is longer than 36 months, the initial payment includes Support for only the first 12 months,
unless the Parties specifically otherwise agree.

Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be included in the Support but may be available subject to additional fees.

From time to time The Qt Company may change the Support terms, provided that during the respective ongoing License Term the level of Support provided by The Qt Company may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to Customers.

9. CONFIDENTIALITY

Each Party acknowledges that during the Term of this Agreement each Party may receive information about the other Party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.
The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade secrets, for so long as such trade secrets are protected under applicable trade secret laws.

10. FEES, DELIVERY AND PAYMENT
10.1. License Fees
License Fees are described in The Qt Company's standard price list, quote or Purchase Order confirmation or in an appendix hereto, as the case may be.

The License Fees shall not be refunded or claimed as a credit in any event or for any reason whatsoever.

10.2. Ordering Licenses
Licensee may purchase Development Licenses and Distribution Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase. Unless specifically otherwise provided, any pricing terms referenced in this Agreement shall be valid for twelve (12) months from the date of this Agreement.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the Parties.

10.3. Distribution License Packs
Unless otherwise agreed, Distribution Licenses shall be purchased by way of Distribution License Packs.

Upon due payment of the ordered Distribution License Pack(s), the Licensee will have an account of Distribution Licenses available for distributing the Redistributables in accordance with this Agreement.

Each time Licensee distributes a copy of Redistributables, then one Distribution License is used, and Licensee's account of available Distribution Licenses is decreased accordingly. Licensee may distribute copies of the Redistributables so long as Licensee has Distribution Licenses remaining on its account.

10.4. Payment Terms
License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee.
A late payment charge of the lower of (a) one percent per month; or (b) the interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due.

10.5. Taxes
All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax, withholding tax and other taxes, duties or tariffs ("Taxes") levied directly for the sale, delivery or use of Licensed Software hereunder pursuant to any applicable law. Such applicable Taxes shall be paid by Licensee to The Qt Company, or, where applicable, in lieu of payment of such Taxes to The Qt Company, Licensee shall provide an exemption certificate to The Qt Company and any applicable authority.

11. RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS

11.1. Licensee's Record-keeping
Licensee shall at all times during the Term of this Agreement and for a period of seven (7) years thereafter maintain Licensee's Records in an accurate and up-to-date form. Licensee's Records shall be adequate to reasonably enable The Qt Company to determine Licensee's compliance with the provisions of this Agreement. The records shall conform to general good accounting practices.

Licensee shall, within thirty (30) days from receiving The Qt Company's request to that effect, deliver to The Qt Company a report based on Licensee's Records, such report to contain information, in sufficient detail, on (i) number and identity of users working with Licensed Software or Open Source Qt, (ii) copies of Redistributables distributed by Licensee during the most recent calendar quarter and/or any other term specified by The Qt Company, (iii) number of undistributed copies of Redistributables and corresponding number of unused Distribution Licenses remaining on Licensee's account, and (iv) any other information as The Qt Company may reasonably require from time to time.

11.2. The Qt Company's Audit Rights
The Qt Company or an independent auditor acting on behalf of The Qt Company's, may, upon at least five (5) business days' prior written notice and at its expense, audit Licensee with respect to the Licensee's use of the Licensed Software, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records and conduct necessary interviews of Licensee's relevant employees and Contractors. All such Licensee's Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee agrees to pay The Qt Company
any amounts owed for such unauthorized use within 30 days from receipt of the corresponding invoice from The Qt Company. In addition, in the event the audit reveals a material violation of the terms of this Agreement (without limitation, either (i) underpayment of more than 10% of License Fees or 10,000 euros (whichever is more) or (ii) distribution of products, which include or result from Prohibited Combination, shall be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company’s reasonable cost of conducting such audit.

12. TERM AND TERMINATION

12.1. Agreement Term
This Agreement shall enter into force upon due acceptance by both Parties and remain in force for as long as there is any Development License(s) purchased under this Agreement in force (“Term”), unless and until terminated pursuant to the terms of this Section 12.

12.2. Termination and suspension of rights
Either Party shall have the right to terminate this Agreement upon thirty (30) days prior written notice if the other Party commits a material breach of any obligation of this Agreement and fails to remedy such breach within such notice period.

Instead of termination, The Qt Company shall have the right to suspend or withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Development Licenses, Distribution License, and Support, should Licensee fail to make payment in timely fashion or otherwise violates or is reasonably suspected to violate its obligations or terms of this Agreement, and where such violation or breach is not cured within five (5) business days following The Qt Company’s written notice thereof.

12.3. Mutual Right to Terminate
Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4. Parties Rights and Duties upon Termination
Upon expiry or termination of the Agreement, Licensee shall cease and shall cause all Designated Users (including those of its Affiliates’ and Contractors’) to cease using the Licensed Software and distribution of the Redistributables under this Agreement.

Notwithstanding the above, in the event the Agreement expires or is terminated:
(i) as a result of The Qt Company choosing not to renew the Development License(s) as set forth in Section 3.1, then all valid licenses
possessed by the Licensee at such date shall be extended to be valid in perpetuity under the terms of this Agreement and Licensee is entitled to purchase additional licenses as set forth in Section 10.2; or

(ii) for reason other than by The Qt Company pursuant to item (i) above or pursuant to Section 12.2, then the Licensee is entitled, for a period of six (6) months after the effective date of termination, to continue distribution of Devices under the Distribution Licenses paid but unused at such effective date of termination.

Upon any such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee shall immediately pay to The Qt Company all such fees upon the effective date of termination. Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

12.5. Extension in case of bankruptcy
In the event The Qt Company is declared bankrupt under a final, non-cancellable decision by relevant court of law, and this Agreement is not, at the date of expiry of the Development License(s) pursuant to Section 3.1, assigned to party, who has assumed The Qt Company's position as a legitimate licensor of Licensed Software under this Agreement, then all valid licenses possessed by the Licensee at such date of expiry, and which the Licensee has not notified for expiry, shall be extended to be valid in perpetuity under the terms of this Agreement.

13. GOVERNING LAW AND LEGAL VENUE
In the event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The arbitration shall be administered by JAMS pursuant
to JAMS' Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish Company, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;
(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and
(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be finally settled by arbitration in accordance with the Arbitration Rules of Finland Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

14. GENERAL PROVISIONS

14.1. No Assignment

Except in the case of a merger or sale of substantially all of its corporate assets, Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2. No Third-Party Representations

Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on The Qt Company's behalf shall be void as to The Qt Company.

14.3. Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive. Such sections include especially the following: 1, 2, 6, 7, 9, 11, 12.4, 13 and 14.

14.4. Entire Agreement

This Agreement, the exhibits hereto, the License Certificate and any applicable Purchase Order accepted by The Qt Company constitute the complete agreement between the Parties and supersedes all prior or contemporaneous discussions,
representations, and proposals, written or oral, with respect to the subject matters discussed herein.

In the event of any conflict or inconsistency between this Agreement and any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

Parties specifically acknowledge and agree that this Agreement prevails over any click-to-accept or similar agreements the Designated Users may need to accept online upon download of the Licensed Software, as may be required by The Qt Company's applicable processes relating to Licensed Software.

14.5. Modifications
No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee's Purchase Order ("Deviating Terms") shall apply unless The Qt Company has expressly agreed such Deviating Terms in writing. Unless and to the extent expressly agreed by The Qt Company, any such Deviating Terms shall be deemed void and with no legal effect. For clarity, delivery of the Licensed Software following the receipt of the Purchase Order including Deviating Terms shall not constitute acceptance of such Deviating Terms."

14.6. Force Majeure
Except for the payment obligations hereunder, neither Party shall be liable to the other for any delay or non-performance of its obligations hereunder in the event and to the extent that such delay or non-performance is due to an event of act of God, terrorist attack or other similar unforeseeable catastrophic event that prevents either Party for fulfilling its obligations under this Agreement and which such Party cannot avoid or circumvent ("Force Majeure Event"). If the Force Majeure Event results in a delay or non-performance of a Party for a period of three (3) months or longer, then either Party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other Party.

14.7. Notices
Any notice given by one Party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving Party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified for each Party on the signature page. Each communication and document made or delivered by one Party to the other Party pursuant to this Agreement shall be in the English language.

14.8. Export Control
Licensee acknowledges that the Redistributables, as incorporated in Applications or Devices, may be subject to export control restrictions under
the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the Redistributables and exercise of licenses hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9. No Implied License
There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with The Qt Company and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by The Qt Company under this Agreement.

14.10. Attorney Fees
The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney's fees and costs in connection with such action.

14.11. Privacy
Licensee acknowledges and agrees that for the purpose of this Agreement, The Qt Company may collect, use, transfer and disclose personal data pertaining to Designated Users as well as any other employees and directors of the Licensee and its Contractors relevant for carrying out the intent of this Agreement. Such personal data may be collected from the Licensee or directly from the relevant individuals. The Parties acknowledge that with regard to such personal data processed hereunder, The Qt Company shall be regarded as the Data Controller under the applicable Data Protection Legislation. The Qt Company shall process any such personal data in accordance with its privacy policies and practices, which will comply with all applicable requirements of the Data Protection Legislation.

14.12. Severability
If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

APPENDICES
The Agreement includes Appendix 1, and possibly one or more of the appendices 3-5, depending on the product(s) purchased by the Licensee, what is stated in the quote or invoice, and/or what is stated in the Licensee's License Certificate.

APPENDIX 1
The modules and/or tools that are included in the respective product - Qt for Application Development (QtAD), Qt for Device Creation (QtDC), Qt for MCUs (QtMCU), Qt 3D Studio (Qt3DS) and Qt Design Studio (QtDS) - are marked with 'X' in the below table.

Parts of the product that are permitted for distribution in object-code form only ("Redistributables") are marked with 'R' in the below table.

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**APPENDIX 3: ADDITIONS TO LICENSED SOFTWARE**

In addition to what is provided under the definition of the Licensed Software, Parties agree that Licensed Software shall also include the Add-On Products of The Qt Company, as mentioned in this Appendix, if included in the quote / invoice.

The Modules and/or Tools of the Licensed Software that are included with each Add-On Product respectively are marked with 'X' in the below table. Parts of
the respective Add-On Product that are permitted for distribution in object-code form only ("Redistributables") are marked with ‘R’ in the below table.

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Qt Safe Renderer | X,R
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Qt Application Manager | X,R
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Qt IVI | X,R
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Reference UI | X,R
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Qt GENIVI Extras | X,R
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QML Live | X
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Qt Creator Deployment | X
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Qt Creator Plugin for Qt Application Manager | X
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Qt Automotive Suite | X
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| Open Source Used In MSX Platform Infrastructure 3.10.0 19050 |
| Deployment | | | | | |
| Server | | | | | |

| Qt Design | X | | | |
| Studio | | | | | |

| Qt 3D Studio | X | | | |
| GammaRay | X | | | X |

| Platform adaptations | | | | | |
| for specified Deployment Platforms | | | | | |
| Qt for Device Creation | X | | | |

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APPENDIX 4: SMALL BUSINESS AND STARTUP

The provisions of this Appendix 4 are applicable for Start-up Companies and for the Evaluation Term. For the purpose of this Appendix 4, the following additional definitions shall be applicable:

"Trial Term" shall mean a period of twelve (12) months.

"Start-up Company" means a company with a maximum annual revenue, including funding, equivalent to 100,000 USD (in applicable currency) during a respective calendar year, as evidenced by duly audited records of the Licensee and approved by The Qt Company.

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(ii) Development License under Section 3.1 is limited to a maximum of three (3) Designated Users; and

(iii) Support is available subject to availability, as judged by The Qt
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(b) in the event the Licensee still qualifies as a Start-up Company, the Licensee has an option ("Option"), instead of what is stated in item a) above, to renew the Trial Term. Renewal is limited to one time, and the total duration of Trial Term is thus 24 months after the effective date. Licensee shall notify The Qt Company in writing, no less than ninety (90) days before the expiry date, if Licensee wish to exercise the Option.

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"Licensee Products" shall mean Applications and/or Devices.

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"Term" shall mean a period of twelve (12) months or any such other period as may be agreed between the Parties.
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Except for the modifications specified above, this Appendix carries no change to the terms of the Agreement which shall remain in full force.

颇多提升 by Stanley Yamane:
- o reverse lookup table for the decode function
- o reserve string buffer space in advance

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./test/schur_real.cpp
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./test/smallvectors.cpp
/test/umeyama.cpp
/test/unalignedcount.cpp
/test/triangular.cpp
/test/product_mmtr.cpp
/test/sparse_basic.cpp
/test/sparse_vector.cpp
/test/meta.cpp
/test/real_qz.cpp
/test/ref.cpp
/test/eigensolver_complex.cpp
/test/cholmod_support.cpp
/test/conjugate_gradient.cpp
/test/sparse.h
/test/simplicial_cholesky.cpp
/test/bicgstab.cpp
/test/dynalloca.cpp
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/test/geo_hyperplane.cpp
/test/lu.cpp
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/test/hessenberg.cpp
/test/sizeof.cpp
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/test/selfadjoint.cpp
/test/permutationmatrices.cpp
/test/superlu_support.cpp
/test/qtvector.cpp
/test/geo_homogeneous.cpp
/test/determinant.cpp
/test/array_reverse.cpp
/test/unalignedassert.cpp
/test/stdlist.cpp
/test/product_symm.cpp
/test/corners.cpp
/test/dontalign.cpp
/test/visitor.cpp
/test/geo_alignedbox.cpp
/test/diagonalmatrices.cpp
/test/product_small.cpp
/test/eigensolver_generalized_real.cpp
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/test/eigen2/eigen2_unalignedassert.cpp
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Main Mesa code    src/mesa/              Brian Paul          Mesa (MIT)
Device drivers    src/mesa/drivers/*  See drivers        See drivers
Ext headers       include/GL/glext.h   SGI                 SGI Free B
include/GL/glxext.h
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javascript/jquery_ui

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libxcb

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libxml
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Libxml2, an XML C Parser

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mongoose
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objective_c/gtm_session_fetcher
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A tiny JavaScript debugging utility modelled after Node.js core's debugging technique. Works in Node.js and web browsers.

## Installation

```bash
$ npm install debug
```

## Usage

`debug` exposes a function; simply pass this function the name of your module, and it will return a decorated version of `console.error` for you to pass debug statements to. This will allow you to toggle the debug output for different parts of your module as well as the module as a whole.

Example `[._app.js_.](./examples/node/app.js):

```js
var debug = require('debug')('http');

http.createServer(function(req, res){
    debug(req.method + ' ' + req.url);
    res.end('hello
');
}).listen(3000, function(){
    debug('listening');
});

// fake worker of some kind

require('./worker');
```
Example `_worker.js`(/examples/node/worker.js):

```js
var a = require('debug')('worker:a')
    , b = require('debug')('worker:b');

function work() {
    a('doing lots of uninteresting work');
    setTimeout(work, Math.random() * 1000);
}

work();

function workb() {
    b('doing some work');
    setTimeout(workb, Math.random() * 2000);
}

workb();
```

The `DEBUG` environment variable is then used to enable these based on space or comma-delimited names.

Here are some examples:

```
set DEBUG=*,-not_this
```

Example:

```
```
set DEBUG=* & node app.js
```cmd
$env:DEBUG = "*,-not_this"
```

Example:
```cmd
$env:DEBUG='app';node app.js
```

Then, run the program to be debugged as usual.

npm script example:
```js
"windowsDebug": "@powershell -Command $env:DEBUG='*';node app.js",
```

### Namespace Colors

Every debug instance has a color generated for it based on its namespace name. This helps when visually parsing the debug output to identify which debug instance a debug line belongs to.

#### Node.js

In Node.js, colors are enabled when stderr is a TTY. You also _should_ install the `supports-color` module alongside debug, otherwise debug will only use a small handful of basic colors.

![Namespace Colors](https://user-images.githubusercontent.com/71256/29092181-47f6a9e6-7c3a-11e7-9a14-1928d8a711cd.png)

#### Web Browser

Colors are also enabled on "Web Inspectors" that understand the `\%c` formatting option. These are WebKit web inspectors, Firefox ([since version 31](https://hacks.mozilla.org/2014/05/editable-box-model-multiple-selection-sublime-text-keys-much-more-firefox-developer-tools-episode-31/)) and the Firebug plugin for Firefox (any version).

![Namespace Colors](https://user-images.githubusercontent.com/71256/29092033-b65f9f2e-7c39-11e7-8e32-19275)

---

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## Millisecond diff

When actively developing an application it can be useful to see when the time spent between one `debug()` call and the next. Suppose for example you invoke `debug()` before requesting a resource, and after as well, the "+NNNms" will show you how much time was spent between calls.

![Example of millisecond diff](https://user-images.githubusercontent.com/71256/29091486-fa38524c-7c37-11e7-895f-e7ec8e1039b6.png)

When stdout is not a TTY, `Date#toISOString()` is used, making it more useful for logging the debug information as shown below:

![Example of millisecond diff](https://user-images.githubusercontent.com/71256/29091956-6bd78372-7c39-11e7-8c55-c948396d6edd.png)

## Conventions

If you're using this in one or more of your libraries, you _should_ use the name of your library so that developers may toggle debugging as desired without guessing names. If you have more than one debuggers you _should_ prefix them with your library name and use ";:" to separate features. For example "bodyParser" from Connect would then be "connect:bodyParser". If you append a "*" to the end of your name, it will always be enabled regardless of the setting of the DEBUG environment variable. You can then use it for normal output as well as debug output.

## Wildcards

The "*" character may be used as a wildcard. Suppose for example your library has debuggers named "connect:bodyParser", "connect:compress", "connect:session", instead of listing all three with `DEBUG=connect:bodyParser,connect:compress,connect:session`, you may simply do `DEBUG=connect:*`, or to run everything using this module simply use `DEBUG=*`.

You can also exclude specific debuggers by prefixing them with a "." character. For example, `DEBUG=*,connect:*` would include all debuggers except those starting with "connect:.".

## Environment Variables

When running through Node.js, you can set a few environment variables that will change the behavior of the debug logging:

<table>
<thead>
<tr>
<th>Name</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>DEBUG</code></td>
<td>Enables/disables specific debugging namespaces.</td>
</tr>
<tr>
<td><code>DEBUG_HIDE_DATE</code></td>
<td>Hide date from debug output (non-TTY).</td>
</tr>
<tr>
<td><code>DEBUG_COLORS</code></td>
<td>Whether or not to use colors in the debug output.</td>
</tr>
<tr>
<td><code>DEBUG_DEPTH</code></td>
<td>Object inspection depth.</td>
</tr>
<tr>
<td><code>DEBUG_SHOW_HIDDEN</code></td>
<td>Shows hidden properties on inspected objects.</td>
</tr>
</tbody>
</table>

__Note:__ The environment variables beginning with `DEBUG_` end up being converted into an Options object that gets used with `%o`/ `%O` formatters. See the Node.js documentation for [`util.inspect()`](https://nodejs.org/api/util.html#util_util_inspect_object_options) for the complete list.

## Formatters

Debug uses [printf-style](https://wikipedia.org/wiki/Printf_format_string) formatting. Below are the officially supported formatters:

<table>
<thead>
<tr>
<th>Formatter</th>
<th>Representation</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>%O</code></td>
<td>Pretty-print an Object on multiple lines.</td>
</tr>
<tr>
<td><code>%o</code></td>
<td>Pretty-print an Object all on a single line.</td>
</tr>
<tr>
<td><code>%s</code></td>
<td>String.</td>
</tr>
<tr>
<td><code>%d</code></td>
<td>Number (both integer and float).</td>
</tr>
<tr>
<td><code>%j</code></td>
<td>JSON. Replaced with the string <code>[Circular]</code> if the argument contains circular references.</td>
</tr>
<tr>
<td><code>%%</code></td>
<td>Single percent sign (<code>%</code>). This does not consume an argument.</td>
</tr>
</tbody>
</table>

### Custom formatters

You can add custom formatters by extending the `debug.formatters` object. For example, if you wanted to add support for rendering a Buffer as hex with `%h`, you could do something like:

```js
```js
const createDebug = require('debug')
createDebug.formatters.h = (v) => {
  return v.toString('hex')
}
```

// elsewhere
const debug = createDebug('foo')
debug('this is hex: %h, new Buffer('hello world'))
//   foo this is hex: 68656c6c6f20776f726c6421 +0ms
```

## Browser Support

You can build a browser-ready script using [browserify](https://github.com/substack/node-browserify),
or just use the [browserify-as-a-service](https://wzrd.in/) [build](https://wzrd.in/standalone/debug@latest), if you don't want to build it yourself.

Debug's enable state is currently persisted by `localStorage`. Consider the situation shown below where you have `worker:a` and `worker:b`, and wish to debug both. You can enable this using `localStorage.debug`:

```js
localStorage.debug = 'worker:*'
```

And then refresh the page.

```js
a = debug('worker:a');
b = debug('worker:b');

setInterval(function(){
a('doing some work');
}, 1000);

setInterval(function(){
b('doing some work');
}, 1200);
```

## Output streams

By default `debug` will log to stderr, however this can be configured per-namespace by overriding the `log` method:

Example [stdout.js](./examples/node/stdout.js):

```js
var debug = require('debug');
var error = debug('app:error');

// by default stderr is used
error('goes to stderr!');

var log = debug('app:log');
// set this namespace to log via console.log
log.log = console.log.bind(console); // don’t forget to bind to console!
log('goes to stdout');
error('still goes to stderr!');

// set all output to go via console.info
```
// overrides all per-namespace log settings
debug.log = console.info.bind(console);
error('now goes to stdout via console.info');
log('still goes to stdout, but via console.info now');
```

## Extend
You can simply extend debugger
```js
const log = require('debug')('auth');
```
//creates new debug instance with extended namespace
```js
const logSign = log.extend('sign');
```
```js
const logLogin = log.extend('login');
```
```js
log('hello'); // auth hello
logSign('hello'); //auth:sign hello
logLogin('hello'); //auth:login hello
```

## Set dynamically

You can also enable debug dynamically by calling the `enable()` method :
```js
let debug = require('debug');

console.log(1, debug.enabled('test'));
```
```js
debug.enable('test');
```
```js
console.log(2, debug.enabled('test'));
```
```js
debug.disable();
```
```js
console.log(3, debug.enabled('test'));
```

```js
print :
```
```
```js
1 false
2 true
3 false
```

Usage :
`enable(namespaces)`
`namespaces` can include modes separated by a colon and wildcards.
Note that calling `enable()` completely overrides previously set DEBUG variable:

```bash
$ DEBUG=foo node -e 'var dbg = require("debug"); dbg.enable("bar"); console.log(dbg.enabled("foo"));
=> false
```

### Checking whether a debug target is enabled

After you've created a debug instance, you can determine whether or not it is enabled by checking the `enabled` property:

```javascript
const debug = require('debug')('http');
if (debug.enabled) {
  // do stuff...
}
```

You can also manually toggle this property to force the debug instance to be enabled or disabled.

### Authors

- TJ Holowaychuk
- Nathan Rajlich
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Metadata-Version: 1.1
Name: agora
Version: 0.1
Summary: A portfolio and risk management system based on onyx.
Home-page: UNKNOWN
Author: carlo sbraccia
Author-email: carlosbraccia@yahoo.co.uk
License: UNKNOWN
Description: UNKNOWN
Platform: UNKNOWN
Classifier: Development Status :: 4 - Beta
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\hglittl
agora/risk/pos_attribution.py
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agora/corelibs/__init__.py
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agora/corelibs/date_functions.py
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agora/system/ufo_trade.py
agora/system/ufo_trader.py
agora/system/test/__init__.py
agora/system/test/test_ufo_currency.py
agora/system/test/test_ufo_currency_cross.py
agora/system/test/test_ufo_database.py
agora/system/test/test_ufo_equity_asset.py
agora/system/test/test_ufo_equity_pair.py
agora/system/test/test_ufo_exchange.py
agora/system/test/test_ufo_holiday_calendar.py
agora/system/test/test_ufo_trade.py
agora/tradables/__init__.py
agora/tradables/ufo_cash_balance.py
agora/tradables/ufo_commod_forward.py
agora/tradables/ufo_commod_futures.py
agora/tradables/ufo_commod_nrby.py
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agora/tradables/ufo_equity_cfd.py
agora/tradables/ufo_forward_cash.py
agora/tradables/test/__init__.py
agora/tradables/test/test_ufo_cash_balance.py
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agora/tradables/test/test_ufo_equity_cfd.py
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www/risk-server/data.js
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www/risk-server/positions.html
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 */

package org.springframework.http.codec.multipart;

/**
 * Specialization of {link Part} for a form field.
 * @author Rossen Stoyanchev
 * @since 5.0
 */
public interface FormFieldPart extends Part {

/**
 * Return the form field value.
 */
String value();

}
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1.1719 harfbuzz 0.9.40

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1.1720 metrics-core 2.2.0

1.1721 assertj-core 3.11.1

1.1722 go-uuid 1.1.1
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1.1723 eclipse-core-jobs 3.5.100

1.1724 backport9 1.2

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