Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.0

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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c, file_io/unix/mktemp.c, strings/apr_strings.c:

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From dso/aix/dso.c:

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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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Replaceable is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the Replaceable API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

Replaceable specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

Replaceable also includes API to access characters in the string: length(), charAt(), char32At(), and extractBetween().

For a subclass to support metadata, typical behavior of replace() is the following:

- Set the metadata of the new text to the metadata of the first character replaced
- If no characters are replaced, use the metadata of the previous character
If there is no previous character (i.e. start == 0), use the following character
If there is no following character (i.e. the replaceable was empty), use default metadata
If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0

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ReplaceableString is an adapter class that implements the Replaceable API around an ordinary StringBuffer.

Note: This class does not support attributes and is not intended for general use. Most clients will need to implement Replaceable in their text representation class.

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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import java.io.Serializable;

/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {
   public Permission(String name) { }
   public final String getName() { return null; }
   public void checkGuard(Object obj) throws SecurityException { }
}
public PermissionCollection newPermissionCollection() {
    return new AllPermissionCollection();
}

public abstract String getActions();

public abstract boolean implies(Permission permission);

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1.7 nimbus-jose-jwt 5.1

1.8 feign-core 10.2.3

1.9 pyyaml 3.12 1build2

1.9.1 Available under license:

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1.10 font-awesome 4.7.0

1.10.1 Available under license:

```html
<!DOCTYPE html>
<!--[if lt IE 7 ]><html class="ie ie6" lang="en"> <![endif]-->
<!--[if IE 7 ]><html class="ie ie7" lang="en"> <![endif]-->
<!--[if IE 8 ]><html class="ie ie8" lang="en"> <![endif]-->
<!--[if (gte IE 9)|!(IE)]><!-->
<html lang="en" xmlns="http://www.w3.org/1999/html"> <!--<![endif]-->
<head>
  <!-- Basic Page Needs
  **************************************************************************** -->
  <meta charset="utf-8" />
  <title>icon-legal: Font Awesome Icons</title>
  <meta name="description" content="Font Awesome, the iconic font designed for Bootstrap">
  <meta name="author" content="Dave Gandy">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!--[if lt IE 9]>
  <script src="http://html5shim.googlecode.com/svn/trunk/html5.js"></script>
  <![endif]-->

  <!-- CSS
  **************************************************************************** -->
  <link rel="stylesheet" href="../css/site.css">
  <link rel="stylesheet" href="../css/pygments.css">
  <link rel="stylesheet" href="../font-awesome/css/font-awesome.css">
  <!--[if IE 7]>
  <link rel="stylesheet" href="../font-awesome/css/font-awesome-ie7.css">
  <![endif]-->
  <link rel="shortcut icon" href="../ico/favicon.ico">
  <script type="text/javascript" src="//use.typekit.net/wnc7ioh.js"></script>
  <script type="text/javascript">try{Typekit.load();}catch(e){}</script>
  var _gaq = _gaq || [];
  _gaq.push(['_setAccount', 'UA-30136587-1']);
  _gaq.push(['_trackPageview']);

  (function() {
    var ga = document.createElement('script'); ga.type = 'text/javascript'; ga.async = true;
```
```
var s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(ga, s);
})();
</script>
</head>
<body data-spy="scroll" data-target=".navbar">
<div class="wrapper"> <!-- necessary for sticky footer. wrap all content except footer -->
<div class="navbar navbar-inverse navbar-static-top hidden-print">
<div class="navbar-inner">
<div class="container">
<a class="btn btn-navbar" data-toggle="collapse" data-target=".nav-collapse">
<span class="icon-bar"></span>
<span class="icon-bar"></span>
<span class="icon-bar"></span>
</a>
<a class="brand" href="../../"><i class="icon-flag"></i> Font Awesome</a>
</div>
</div>
</div>
<div class="nav-collapse collapse">
<ul class="nav">
<li class="hidden-tablet ">
<a href="/">Home</a>
</li>
<li>
<a href="/get-started/">Get Started</a>
</li>
<li class="dropdown-split-left">
<a href="/icons/">Icons</a>
</li>
<li class="dropdown dropdown-split-right hidden-phone">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">&nbsp;</a>
<ul class="dropdown-menu pull-right">
<li><a href="/icons/" class="icon-fixed-width"><i class="icon-flag"></i> Icons</a></li>
<li class="divider"></li>
<li><a href="/icons/#new/" class="icon-fixed-width"><i class="icon-shield"></i> New Icons in 3.2.1</a></li>
<li><a href="/icons/#web-application/" class="icon-fixed-width"><i class="icon-camera-retro"></i> Web Application Icons</a></li>
<li><a href="/icons/#currency/" class="icon-fixed-width"><i class="icon-won"></i> Currency Icons</a></li>
<li><a href="/icons/#text-editor/" class="icon-fixed-width"><i class="icon-file-text-alt"></i> Text Editor Icons</a></li>
<li><a href="/icons/#directional/" class="icon-fixed-width"><i class="icon-hand-right"></i> Directional Icons</a></li>
<li><a href="/icons/#video-player/" class="icon-fixed-width"><i class="icon-play-sign"></i> Video Player Icons</a></li>
<li><a href="/icons/#brand/" class="icon-fixed-width"><i class="icon-github"></i> Brand Icons</a></li>
<li><a href="/icons/#medical/" class="icon-fixed-width"><i class="icon-medkit"></i> Medical Icons</a></li>
</ul>
</li>
<li class="dropdown-split-left">
<a href="/examples/">Examples</a>
</li>
<li class="dropdown dropdown-split-right hidden-phone">
<a href="#" class="dropdown-toggle" data-toggle="dropdown">&nbsp;</a>
<ul class="dropdown-menu pull-right">
<li><a href="/examples/" class="icon-fixed-width"><i class="icon-flag"></i> Examples</a></li>
</ul>
</li>
</ul>
</div>
</div>
</body>
After you get the integration up and running, you can place Font Awesome icons just about anywhere with the `<i>` tag:

```html
<i class="icon-legal"></i>
```

Looking for more? Check out the examples.
<div class="push"><!-- necessary for sticky footer --></div>
<footer class="footer hidden-print">
  <div class="container text-center">
    <div>
      <i class="icon-flag"></i> Font Awesome 3.2.1
      &middot;<br>
      Created and Maintained by <a href="http://twitter.com/davegandy">Dave Gandy</a>
    </div>
    <div>
      Font Awesome licensed under <a href="http://scripts.sil.org/OFL">SIL OFL 1.1</a>/a>
      &middot;<br>
      Code licensed under <a href="http://opensource.org/licenses/mit-license.html">MIT License</a>
      &middot; <br>
      Documentation licensed under <a href="http://creativecommons.org/licenses/by/3.0/">CC BY 3.0</a>/a>
    </div>
    <div>
      Thanks to <a href="http://tracking.maxcdn.com/c/148092/3982/378">MaxCDN</a> for providing the excellent <a href="http://www.bootstrapcdn.com/#tab_fontawesome">BootstrapCDN for Font Awesome</a>/a>
    </div>
    <div class="project">
      <a href="https://github.com/FortAwesome/Font-Awesome">GitHub Project</a> &middot;
      <a href="https://github.com/FortAwesome/Font-Awesome/issues">Issues</a>
    </div>
  </div>
</footer>

<copyright>
  <script src="http://platform.twitter.com/widgets.js"></script>
  <script src="./assets/js/jquery-1.7.1.min.js"></script>
  <script src="./assets/js/ZeroClipboard-1.1.7.min.js"></script>
  <script src="./assets/js/bootstrap-2.3.1.min.js"></script>
  <script src="./assets/js/site.js"></script>
</copyright>

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</ul>

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<ul>
<li>Applies to all CSS and LESS files in the following directories:
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<code>font-awesome/less/</code>, and
<code>font-awesome/scss/</code>.
</li>
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<li>URL: <a href="{{ site.fontawesome.license.code.url }}">{{ site.fontawesome.license.code.url }}</a></li>
</ul>
</section>

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</ul>
</section>

<section>
<h2 class="page-header">Brand Icons</h2>
{% include brand-license.html %}
</section>
<!DOCTYPE html>
<!--[if lt IE 7 ]><html class="ie ie6" lang="en"> <![endif]-->
<!--[if IE 7 ]><html class="ie ie7" lang="en"> <![endif]-->
<!--[if IE 8 ]><html class="ie ie8" lang="en"> <![endif]-->
<!--[if (gte IE 9)|!(IE)]><!-->
<html lang="en" xmlns="http://www.w3.org/1999/html">
<!--[endif]-->
<head>
<!-- Basic Page Needs
================================================== -->
<meta charset="utf-8" />
<title>Font Awesome License</title>
<meta name="description" content="Font Awesome, the iconic font designed for Bootstrap">
<meta name="author" content="Dave Gandy"/>
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<!--[endif]-->
<script src="http://html5shim.googlecode.com/svn/trunk/html5.js"></script>
<!--[endif]-->
<li><a href="../community/">Community</a></li>
<li class="active"><a href="../license/">License</a></li></ul>
<ul class="nav pull-right">
<li><a href="http://articles.fortawesome.com">Blog</a></li>
</ul>
</div>

<div class="jumbotron jumbotron-ad hidden-print">
<div class="container">
<h1><i class="icon-legal icon-large"></i>&nbsp; License</h1>
<p>The full details of how Font Awesome is licensed</p>
</div>
</div>

<div id="social-buttons" class="hidden-print">
<div class="container">
<ul class="unstyled inline">
<li>
<iframe class="github-btn" src="http://ghbtns.com/github-btn.html?user=FortAwesome&repo=FontAwesome&type=watch&count=true" allowtransparency="true" frameborder="0" scrolling="0" width="100px" height="20px"></iframe>
</li>
<li>
<iframe class="github-btn" src="http://ghbtns.com/github-btn.html?user=FortAwesome&repo=FontAwesome&type=fork&count=true" allowtransparency="true" frameborder="0" scrolling="0" width="102px" height="20px"></iframe>
</li>
<li class="follow-btn">
<a href="https://twitter.com/fontawesome" class="twitter-follow-button" data-link-color="#0069D6" data-show-count="true">Follow @fontawesome</a>
</li>
<li class="tweet-btn hidden-phone">
</li>
</ul>
</div>
</div>
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</ul>
</section>

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</div>
1.11 httpcore-nio 4.4.11

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1.14 dh-python 3.20180325ubuntu2

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1.15 apache-log4j 1.2.17

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1.16 jetty-http 8.1.14.v20131031

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1.18 mariadb-java-client 2.1.2

1.19 android-json 0.0.20131108.vaadin1
1.20 asm 5.2

1.21 log4j-api 2.9.1

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Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

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

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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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-- vile: txtmode file-encoding=utf-8

1.25 hibernate 5.2.11
1.25.1 Available under license :

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1.26 cas-server-core 5.2.0

1.27 yang-data-api 1.2.3
1.27.1 Available under license:
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1.28 httpcomponents-mime 4.2.3
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1.37 json-java 20131018

1.38 popt 1.16 r7
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1.47 cas server core logging config 5.2.0
1.48 pyliblzma 0.5.3-11.el7

1.48.1 Available under license:

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1.49 bzip2 1.0.6 9.1
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bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.50 jacksondatatypjdk 2.9.8

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1.52 postgresql-jdbc 42.1.4

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People who have contributed significant code to the project since the 7.4 release. A careful historical study has not been commissioned, but if you've done something valuable, we'd be happy to recognize you for it. Just let us know.

Jan Andre le Roux
- ResultSetMetaData information based on the V3 protocol

Jaroslaw J. Pyszny
- Improve MetaData regarding the serial datatype

Ulrich Meis
- Allow users to customize the SSL connection

Xavier Poinsard
- Standard escaped functions {fn ...() }

Oliver Siegmar
- Support for infinity in the timestamp datatype
- Make PGInterval able to decode and manipulate interval data

Michael Barker
- Blob write and position methods

Andras Kadinger
- Support asynchronous notification retrieval
Heikki Linnakangas
<ul>
<li>XADataSource implementation.</li>
</ul>

Luis Vilar Flores
<ul>
<li>Reduce memory usage retrieving bytea data.</li>
</ul>

Michael Paesold
<ul>
<li>Correctly parse dollar quotes and comments.</li>
<li>Work with standard_conforming_strings = on.</li>
</ul>

Mikko Tiihonen
<ul>
<li>Improve speed of parsing ResultSet data.</li>
</ul>

Marek Lewczuk
<ul>
<li>Support multi-dimensional arrays and NULL array elements.</li>
</ul>

<a name="translators"></a>
<h2 class="underlined_10">Translators</h2>
<div>
<ul>
<li>cs - Czech</li>
<li>Petr Dittrich</li>
</ul>
</div>

<ul>
<li>de - German</li>
<li>Andre Bialojahn</li>
</ul>

<ul>
<li>es - Spanish</li>
<li>Diego A. Gil</li>
</ul>
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<li>Graham Coles <graham.coles@retail-logic.com> - patch to isParityAdjusted in DESKeySpec.</li>
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<li>Graham Coles <graham.coles@retail-logic.com> - patch to isParityAdjusted in DESKeySpec.</li>
<li>Brett Neumeier <random@rnd.cx> - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of URLBase64.</li>
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<li>Graham Coles <graham.coles@retail-logic.com> - patch to isParityAdjusted in DESKeySpec.
Gregor Leander <gl@bos-bremen.de> - initial parsing of multiple sequence entries in an X.500 Name.

Antoon Bosselaers <Antoon.Bosselaers@esat.kuleuven.ac.be> - help with RipeMD320 implementation.

Peter Sylvester <Peter.Sylvester@064edelweb.fr> - improvements to the ASN.1 BasicConstraints object.

Doug <ummmm@064myreallbox.com> - addition of isEncryptionKey method to OpenPGP public keys.

Francois Staes <fstaes@netconsult.be> - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralizedString, addition of settable signed content info to CMSSignedDataGenerator, patch to DH key agreement.

W.R. Dittmer <wdittmer@cs.vu.nl> - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullpointer exception.

Perez Paz Luis Alberto <laperez@064banxico.org.mx> - patch to use of BitString in X.500 name.

James Wright <James_Wright@harte-hanks.com> - patches for dealing with "odd" ArmoredInputStreams.

Jim Ford <jim@064muirford.com> - 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.

Michael Hauserl <haeusler@064ponion-consulting.de> - extra aliases for provider.

Sai Pullabhotla <psai@064linoma.com> - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.

Joseph Miller <joseph@064digieweb.net.nz> - addition of ZeroBytePadding.

Lars <xyz@064agemdenmark.dk> - patch to explicit padded mode for CBC block cipher MAC.

Jeroen van Vianen <jeroen@064vanvianen.nl> - the Signed and Encrypted mail example.

Jun Sun <JSun@064diversinet.com> - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

Petr Dukem <pdukem@064email.cz> - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

Filipe Silva <filipe.silva@064wedoconsulting.com> - patch to fix overread issue in BCPGInputStream.

Alpesh Parmar <alps@064linuxmail.org> - patch for class cast problem in PGPPublicKey.getSignatures().

Jay Gengelbach <jgengelbach@064webmethods.com> - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.

Doug <doug@064tigerprivacy.com> - public key ring patches for ElGamal Signatures, problem key ring data.

Matthew Mundy <mmundy1@064umbc.edu> - infinite loop prevention patch to PKCS52ParametersGenerator.

Tom Cargill <cargill@064profcon.com> - spelling patch in provider.

Breitenstrom Christian <C.Breitenstrom@064t-systems.com> - compatibility patch to SignaturePacket, DetachedSignaturePacket.

Zanotti Mirko <zanotti@064cad.it> - patch to ordered equality test for X509Name.

Nicola Scendoni <nscendoni@064babelps.it> - patch to add sorting to CertPath validation.

Ville Skyttä <ville.skytt@064iki.fi> - 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 <bruce.gordon@savvis.net> - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley <Miles.Whiteley@064avsvies.net> - "223" fix for BCPGInputStream new packets.

Albert Moliner <amoliner@064evintia.com> - initial TSP implementation.

Carlos Lozano <carlos@064evintia.com> - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.
Javier Delgadillo <javii@codewarp.org> - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala <joni.hahkala@cern.ch> - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the <a href="http://www.eu-egee.org">EGEE project</a> for making the work available.

Rolf Schillinger <rolf@064sir-wum.de> - initial implementation of Attribute Certificate generation.

Sergey Bahtin <Sergey_Bahtin@yahoo.com> - 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.

Javier Delgadillo <javii@codewarp.org> - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala <joni.hahkala@cern.ch> - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the <a href="http://www.eu-egee.org">EGEE project</a> for making the work available.

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Franck Leroy <Franck.Leroy@keynectis.com> - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

Atsuhiko Yamanaka <ymnk@064jcraft.com> - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

Nickolay Bolshakov <tyrex@064reksoft.ru> - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer <soren.hilmer@tietoenator.com> - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.

Steve Mitchell <mitchell@064intertrust.com> - 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.

Dirk Eisner <D.Eisner@064seeburger.de> - initial implementation of ISO 78164-4 padding.

Julien Pasquier <juliennpasquier@064free.fr> - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.

Matteo <matartuso@064libero.it> - sequence patch to ASN1Dump.

Andrew Paterson <andrew.paterson@064burnsec.com> - patches to PGP tools, isRevoked method on PGPPublicKey.

Vladimir Molotkov <vladimir.n.molotkov@064intel.com> - extensive provider exception handling compliance testing.

Florin Kollan <adlocflo@064web.de> - fix to ElGamalKeyParameters equality testing.

Pavel Vassiliev <paulv@064gmail.com> - Initial GOST28147Mac implementation.

Tom Pesman <tom@064tnux.net> - addition of DES-DED encryption for RSAPrivate keys to PEMWriter.

Lukasz Kowalczyk <lukasz.b.kowalczyk@064gmail.com> - patch to fix parsing issue with OpenSSL PEM based certificate requests.

Arndt Hasch <Arndt.Hasch@064maxence.de> - additional fix for partial reading with new style PGP packets.

Fix Bernd (KCDP 11) <bernd.fxx@064credit-suisse.com> - fix for 31 byte issue and exception throwing by Whirlpool.

David M. Lee <dmlee@Crossroads.com> - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.

Mike Dillon <md5@064embbody.org> - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.

tu-vi cung <t2cung@hotmail.com> - patch for out of bounds problem in getDecoderStream method.

Chris Schultz <cschultz@064gmail.com> - fix for InputStream constructor for X509V2AttributeCertificate.

David M. Lee <dmlee@064Crossroads.com> - implementation assistance with streaming CMS classes.

Joel Rees <rees@064ddcom.co.jp> - fix to correct getOID methods from returning same set on X.509 attribute certificates.
<li>Francesc Sau <francesc.sau@064partners.netfocus.es> - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee <lbugbee@064mac.com> - initial ECNR implementation.</li>
<li>Remi Blancher <remi.blancher@064keynectis.com> - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian O'Rourke <brianorourke@064gmail.com> - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier <andreas.schwier@064cardcontact.de> - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 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>
<li>David Josse <david.josse@064transacttools.net> - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiko <kazu-k@064hi-ho.ne.jp> - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
<li>Lawrence Tan <lwrnctan@064gmail.com> - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente <superdupont@064gmail.com> - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, <a href=&quot;http://www.keyon.ch&quot;>http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, <olaf.keller.bc@064bluewin.ch> - 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>Jürg Eichhorn <j.eichhorn@064ponton-consulting.de> - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Karsten Ohme <widerstand@064t-online.de> - 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 ECPPointUtil. 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. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, 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.</li>
<li>Carlos Lozano Ruiz <carlos@064tradise.com> - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLOutputStream.</li>
<li>John Alfred Prufrock <j.a.prufrock@064gmail.com> - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
<li>Stefan Neusatz Guilhen <sneusatz@064gmail.com> - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
<li>Marzio Lo Giudice <marzio.logiudice@064gmail.com> - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>
<li>Georg Lippold <georg.lippold@064gmix.de> - initial implementation of NaccacheStern cipher.</li>
<li>Chris Viles <chris_viles@064yahoo.com> - fix to SignatureSubpacket critical bit setting.</li>
<li>Pasi Eronen <Pasi.Eronen@064nokia.com> - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
<li>Lijun Liao <lijun.liao@064rub.de> - performance enhancements for SHA family of digests. Bug report and patch for blank line handling in ArmoredInputStream.
Maria Ivanova <maria.ivanova@gmail.com> - support for tags > 30 in ASN.1 parsing.

Armin Hauml;berling <arminha@student.ethz.ch> - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder <mschilder@gmail.com> - main set of test vectors for Bleichenbacher's forgery attack.

Xavier Le Vourch <xavier@brittanysoftware.com> - general code clean ups.

Erik Tews <e_tews@064cddc.informatik.tu-darmstadt.de> - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon <reikomusha@gmail.com> - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis <info@064frankcornelis.be> - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim <rjoaquim@064cc.isel.ipl.pt> - initial implementation of RSA blinding for signatures.

David Stacey <DStacey@064allantgroup.com> - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers <list@064mitm.nl> - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.

Julius Davies <juliusdavies@064gmail.com> - additional modes and algorithm support in PEMReader.

Matthias <g@064rtner.de> - GnuPG compatibility changes for PBEFileProcessor.

Olga K&uuml;thler <olga@kaethler&064jp-consulting.com> - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

Germano Rizzo <germano.rizzo@gmail.com> - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.

N&uuml;ria Mar&iacute; <numaa@hotmail.com> - patch for alternate data type recognition in CMSSignedDataParser.

Janis Schuller <js@064tzi.de> - addition of NotationData packets for OpenPGP.

Michael Samblanet <mike@064samblanet.com> - patches towards improved Sun/default provider support in CMS.

Mike StJohns <mstjohns@comcast.net> - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA.

Ramon Keller <ramon.keller@064gmx.ch> - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.

Mark Nelson <mark@064nbro.com> - correction to excluded DN in name constraints processing for PKIX processing.

Eugene Golushkov <eugene_gff@064ukr.net> - mask fix to single byte read in TlsInputStream.

Julien Pasquier <julienpasquier@064free.fr> - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.

Peter Knopp <pknopp@064mtg.de> - fix for named curve recognition in ECGOST key generation.

Jakub Gwozdz <gwozdziu@064rpg.pl> - addition of getTsa() to TimeStampTokenInfo.

Bartosz Malkowski <bmalkow@064tigase.org> - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCCMac.

Tal Yacobi <tal.yacobi@octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55].

Massimiliano Ziccardi <massimiliano.ziccardi@064gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes.

Andrey Pavlenko <andrey.a.pavlenko@064gmail.com> - security manager patch for PKCS1Encoding property check.

Mike StJohns <mstjohns@comcast.net> - updates to KeyPurposeId.

J Ross Nicoll <jrn@064jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson <mavricknz@064yahoo.com> - patch to construtor for CRMF CertSequence.
<li>Gabriele Contini <gcontini@hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>
<li>Roelof Naude <roelof.naude@epiuse.com> - patch for TLS client to send empty client certs in response to HP_Certificate_REQUEST.</li>
<li>Patrick Peck <peck@signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay <lemaymd@lemaymd.com> - identified problem with EAX [#BJA-93].</li>
<li>Alex Dupre <alex@FreeBSD.org> - 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 <michael@064sigrid-und-michael.de> - fix of improper handling of null in ExtendedPKIXParameters.setTrustedAICIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
<li>Jon Larrañaga <ilarra@21sec.com> fix to default partial packet generation in BCPGOutputStream.</li>
<li>Bob Kerns <bob.kerns@positscience.com> fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer <stefan.meyer@064ewe.de> backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore <Robert.J.Moore@allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai <rui@064po.ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic <emir.bucalovic@064mail.com> initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson <tobbie79@064gmail.com> initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick <bounceycastle_pfitz@064fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson <k.henrik.andersson@064gmail.com> addition of UniqueIssuerID to certificate generation.</li>
<li>Cagdas Cirit <cagdascirit@064gmail.com> subjectAlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri <harakiri_23@064yahoo.com> datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques <pmahenriques@064gmail.com> explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimmeringer <job@kimmeringer.de> verbose mode for ASN1Dump, support for DERExternal.</li>
<li>Richard Farr <rfarr.se@064gmail.com> initial SRP-6a implementation.</li>
<li>Thomas Castiglione <castiglione@064au.ibm.com> patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani <eromani@064sogei.it> patch for recognising multiple counter signatures.</li>
<li>Robin Lundgren <r737lundgren@064gmail.com> CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec <mormegil@centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener <antener.ledger@064gm.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat <hsrawat@064yahoo.com> fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann <lindemann@064trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
<li>Alex Artamonov <alexart.home@064gmail.com> name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons <mlyons@064layer7tech.com> work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole <chris_h_cole@064yahoo.com> identified a problem handling null passwords when loading a BKS keystore.</li>
<li>Tomas Krivanek <tom@atack.cz> added checking of Sender header to SignedMailValidator.</li>
<li>Michael <em>fau@online.de</em> correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin <em>trevor@cryptography.com</em> addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kilångs <em>markus@primekey.se</em> several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic <em>darionis@y4mail.com</em> fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith <em>msmith@cbnco.com</em> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio <em>a.zilio@gmail.com</em> fix for PEM password encryption of private keys.</li>
<li>Alex Birkett <em>alex@birkett.co.uk</em> added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
<li>Wayne Grant <em>waynedgrant@gmail.com</em> additional OIDs for PCKS10 and certificate generation support.</li>
<li>Frank Cornelis <em>info@frankcornelis.be</em> additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner <em>jan@dittberner.info</em> addHeader patch for SMIME generator.</li>
<li>Bob McGowan <em>boab.mcgoo@btinternet.com</em> patch to support different content and mgf digests in PSS signing.</li>
<li>Ivo Matheis <em>i.matheis@seeburger.de</em> fix to padding verification in ISO-9796-1.</li>
<li>Marko Sandrini <em>nessche@gmail.com</em> patch to add IV to ISO9797AlgMac.</li>
<li>Alf Malf <em>alf@hotmal@gmail.com</em> removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa <em>alfonso massa@insiel.it</em> contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo <em>gboccardo@unimaticascap.it</em> initial work on CMS TimeStampedDataParser.</li>
<li>Arnis Tartu <em>arnis@4ut.ee</em> patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikocinski <em>J.Sikocinski@64gdzie.pl</em> addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev <em>jhudolejev@gmail.com</em> JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten <em>liane.velten@hjp-consulting.com</em> fine tuning of code for DHParameters validation.</li>
<li>Shawn Willden <em>swillden@64google.com</em> additional functionality to PGPKerRing.</li>
<li>Atanas Krachev <em>akrachev@gmail.com</em> added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking <em>mickael laiking@keynectis.com</em> initial cut of EAC classes.</li>
<li>Tim Buktu <em>tbuktu@hotmail.com</em> Initial implementation of NTRU signing and encryption.</li>
<li>Bernd <em>rbernd@gmail.com</em> Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak <em>steininge@morisbak.no</em> Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid <em>andreas.schmid@4tngtech.com</em> Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz <em>phil.steitz@gmail.com</em> Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Ignat Korchagin <em>ignat.korchagina@gmail.com</em> Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
<li>Petar Petrov <em>p.petrov@bers-soft.com</em> Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick <em>daniel.f.nwr@gmail.com</em> 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 <em>Andy.Neilson@quest.com</em> a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw <em>xiao.xj@gmail.com</em> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth <em>Eleriseth@WPECGLtybVi8Rl6Y7Vz12Lvd2EUVW99y3yNV3IWoR8.fms</em> speed up for...
SIC/CTR mode. Provider compatibility generalisations for EC operations. 

- Kenny Root <kenny@the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

- Maarten Bodewes <maarten.bodewes@openpgp.com> initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

- Philip Clay <phil_b@yahoo.com> Initial implementation of J-PAKE.

- Brian Carlstrom <bdc@carlstrom.com> compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

- Samuel Lid@eacuten Borell <samuel@primekey.se> patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

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- Maarten Bodewes <maarten.bodewes@openpgp.com> initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.
<li>Waldemar Dick <wdick@064devmue.de> code improvement in x500 ASN.1 package.</li>
<li>Sid Steward <sid.steward@064pdflabs.com> code improvements to ASN1Boolean.</li>
<li>Alex Klyubin <klyubin@064google.com> AlgorithmParameters check for EC key agreement.</li>
<li>Jonathan Gillett <gsoc.student@064gmail.com> Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
<li>Andreas Reiter <andreas.reiter@064iaik.tugraz.at> Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
<li>Kieran Miller <kieran.miller@064gmail.com> initial implementation for RFC 5649 key wrap with padding.</li>
<li>Oliver Ehli <ehli@064arago.de> Additional support for BSI plain ECDSA in the provider.</li>
<li>Daniel Heldt <Daniel.Heldt@064cryptovision.com> Initial support for encodable state message digests.</li>
<li>Robert Bushman <bouncycastle@064traxel.com> Clean up of DirectKeySignature example.</li>
<li>Maurice Aarts <aarts@064riscure.com> updated to KDF generator to follow NIST SP 800-108.</li>
<li>Francziskus Kiefer <https://github.com/franziskuskiefer> initial implementation of Cramer-Shoup.</li>
<li>KB Sriram <mail_kb@yahoo.com> testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Marco Schulze <marco@064nightlabs.de> Reported verification bug in GenericSigner.</li>
<li>Martin Schae <https://github.com/martinschae> contributed a code-cleanup patch.</li>
<li>Lijun Liao <ajun.liao@064gmail.com>g; addition of getSignatureAlgorithmID to BasicOCSPResp.</li>
<li>dstutz <https://github.com/dstutz> added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>
<li>Tobias Wich <tobias.wich@064ecsec.de> Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
<li>Hauke Mehrtens <hauke@064hauke-m.de> TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.</li>
<li>Daniel Zimmerman <dmz@064galois.com> Further key quality improvements to RSAKeyPairGenerator.</li>
<li>Jens Kapitza <ltj.kapitza@064schwarze-allianz.de> Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Eklund <johan@064primekey.se> update to RFC 6960 for OCSPObjectIdentifiers.</li>
<li>nikosn <https://github.com/nikosn> Fix to encoding of EC private keys to ensure encoding matches order length.</li>
<li>Axel von dem Bruch <axel-vdb@064riseup.net> Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>
<li>Derek Atkins <derek@064ihtfp.com> Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky <peto@064halicky.sk> Correction to notification/error message handling in SignedMailValidator.</li>
<li>lartiguePierre <https://github.com/lartiguePierre> Fix for counter signature SID in CMSSignedData.</li>
<li>Thomas Belot <thomas.belot+BC@064gmail.com> initial CertPathLoopTest for demonstrating stack overflow issue.</li>
<li>Rich DiCroce <https://github.com/rdicroce> Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
<li>Bj&ouml;rn Kautler <https://github.com/Vampire> Refinements to cert path validation (authority key addition, certificate order preservation).</li>
<li>Dominik Sch&uuml;rmann <https://github.com/dschuermann> 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>Michael <MSKnete@064web.de> initial fix for bitStrength issue for OpenPGP EC keys.</li>
<li>Tobias Wagner <tobias.wagner@064n-design.de> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
<li>Sergio Giorno <sgiro@google.com> 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>

- Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>

- Jan Willems Janssen <j.w.janssen@bouncycastle.nl> Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial content signer verifier for BC lightweight EC.</li>

- Sebastian Oerding <sebastian.oerding@robotron.de> Fixes to toString() in x509.CertificatePolicies.</li>

- Kai Kramer <kai.kramer@064gmail.com> Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>

- Benoit Charles <benoit.charles@064opentrust.com> Fix for IES data length check on decryption.</li>

- Niko <nfink95@064gmail.com> fix to cast issue in getOutputSize() for ECIES.</li>

- akwizgran <https://github.com/akwizgran> Fixed clone of key in Blake2bDigest copy constructor, Blake2b reset issue for variant keys.</li>

- Matthias Edelhoff <Matthias.Edelhoff@064cryptovision.com> BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>

- Lukasz Deputat <lukasz.deputat@064gmail.com> Fixed bugs in TlsUtils read methods [#BJA-592].</li>

- Justin Ludwig <https://github.com/justinludwig> Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>

- Andr&ecute;e Berenguel <https://github.com/aberenguel> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>

- Slawomir Jaransowski <https://github.com/slawejaransowski> Patch to make cipher/hash/signature name methods in PGP internal API public.</li>

- Andrey Vasilyev <https://github.com/andrey-vasilyev> Initial implementation of GOST R 34.11-2012.</li>

- William Glanton <wglanton77@064gmail.com> Fixed bug in Poly1305 [#BJA-620].</li>

- jdvorak001 <https://github.com/jdvorak001> Speed improvements for ASN.1 ObjectIdentifier cache.</li>

- Joseph Naegle <jnaegle@064grierforensics.com> Patch for handling multiple certificates in a DANE SMIMEA entry.</li>

- Andrew Bonventre <https://github.com/andybons> NullPointer patch for WNafUtil.</li>

- The Google Security Team (Project Wycheproof) <https://github.com/google/wycheproof> defect analysis and additional test cases for the provider.</li>

- Gorka Irazoqui <girazoki@wpi.edu> from Intel Security Center of Excellence <https://securitycenter.intel.com/> detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine.</li>

- Joerg Senekowitz <josef.senekowitz@064veridos.com> patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>

- Alexandr Krivosht <wipe@064ya.ru> N4 calculation fix to GOFB mode.</li>

- Artem Storozhuk <storozh72@064gmail.com> N4 calculation fix to GOFB mode.</li>

- Na Yu <na.yu@064samsung.com> Constructor patches to CMC PKIData.</li>

- Evangelos Karatsiolis <ekaratsiolis@064mtg.de> Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>

- VivleSoren <https://github.com/VivleSoren> additional constructor for McElieceCCA2PrivateKeyParameters.</li>

- mtausig <https://github.com/mtausig> JavaDoc fix for MCSEncryptedDataGenerator.</li>

<ul>
<li>Sebastian Wolfgang Roland <sebastianwolfgang.roland@stud.tu-darmstadt.de> Initial XMSS/XMSS-MT implementation.</li>
<li>didisoft <https://github.com/didisoft> test code for PGP signature removal involving user ids.</li>
<li>Mike Safonov <https://github.com/MikeSafonov> initial implementation of GOST3410-2012 for light weight provider and JCA.</li>
<li>Artem Storozhuk <storajs72@gmail.com> initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>
<li>Andreas Glaser <andreas.glaser@gi-de.com> patch to recognise ANSSI curves for PKCS#10 requests.</li>
</ul>

1.61 lshw 02.18-0.1ubuntu6.18.04.1

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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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Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding _in an apparatus that performs LZW encoding_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

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(); re-
placement 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,
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* MoreFiles
*
* A collection of File Manager and related routines
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May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS),
71150.2731@compuserve.com]:

"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
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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 others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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1.89 libencode-locale-perl 1.05-1

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1.93 unboundid-ldap-sdk 3.2.1

1.94 jcl-over-slf4j 1.7.25
1.95 plymouth 0.9.3 1ubuntu7.18.04.2

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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 form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cffe2bb5b6.

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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1.99 jopt-simple 6.0-alpha-3
1.100 javax-servlet 3.0.0.v201112011016

1.101 semantic ui 2.2.10

1.102 gettext 2.28 10

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1.103 bash 4.4.18 2ubuntu1

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package org.eclipse.jetty.servlet;

import java.io.FileNotFoundException;
import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;
import java.net.MalformedURLException;
import java.net.URL;
import java.util.ArrayList;
import java.util.Enumeration;
import java.util.List;
import java.util.Map;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletContext;
import javax.servlet.ServletException;
import javax.servletUnavailableException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import org.eclipse.jetty.http.HttpContent;
import org.eclipse.jetty.http.HttpHeaderValues;
import org.eclipse.jetty.http.MimeTypes;
import org.eclipse.jetty.io.Buffer;
import org.eclipse.jetty.io.ByteArrayBuffer;
import org.eclipse.jetty.io.WriterOutputStream;
import org.eclipse.jetty.server.AbstractHttpConnection;
import org.eclipse.jetty.server.Connector;
import org.eclipse.jetty.server.Dispatcher;
import org.eclipse.jetty.server.HttpOutput;
import org.eclipse.jetty.server.InclusiveByteRange;
import org.eclipse.jetty.server.ResourceCache;
import org.eclipse.jetty.server.Response;
import org.eclipse.jetty.server.handler.ContextHandler;
import org.eclipse.jetty.server.nio.NIOConnector;
import org.eclipse.jetty.util.IO;
import org.eclipse.jetty.util.MultiPartOutputStream;
import org.eclipse.jetty.util.URIUtil;
import org.eclipse.jetty.util.log.Log;
import org.eclipse.jetty.util.log.Logger;
import org.eclipse.jetty.util.resource.FileResource;
import org.eclipse.jetty.util.resource.Resource;
import org.eclipse.jetty.util.resource.ResourceCollection;
import org.eclipse.jetty.util.resource.ResourceFactory;

/* ------------------------------------------------------------ */
/**
 * The default servlet.
 * This servlet, normally mapped to /, provides the handling for static
 * content, OPTION and TRACE methods for the context.
 * The following initParameters are supported, these can be set either
 * on the servlet itself or as ServletContext initParameters with a prefix
 * of org.eclipse.jetty.servlet.Default. :
 * <PRE>
 * acceptRanges      If true, range requests and responses are
 * supported
 * dirAllowed        If true, directory listings are returned if no
 * welcome file is found. Else 403 Forbidden.
 */
}
* welcomeServlets  If true, attempt to dispatch to welcome files
* that are servlets, but only after no matching static
* resources could be found. If false, then a welcome
* file must exist on disk. If "exact", then exact
* servlet matches are supported without an existing file.
* Default is true.
* 
* This must be false if you want directory listings,
* but have index.jsp in your welcome file list.
* 
* redirectWelcome  If true, welcome files are redirected rather than
* forwarded to.
* 
* gzip           If set to true, then static content will be served as
* gzip content encoded if a matching resource is
* found ending with ".gz"
* 
* resourceBase   Set to replace the context resource base
* 
* resourceCache  If set, this is a context attribute name, which the servlet
* will use to look for a shared ResourceCache instance.
* 
* relativeResourceBase
*            Set with a pathname relative to the base of the
*            servlet context root. Useful for only serving static content out
*            of only specific subdirectories.
* 
* pathInfoOnly   If true, only the path info will be applied to the resourceBase
* 
* stylesheet     Set with the location of an optional stylesheet that will be used
* to decorate the directory listing html.
* 
* aliases        If True, aliases of resources are allowed (eg. symbolic
* links and caps variations). May bypass security constraints.
* 
* maxCacheSize   The maximum total size of the cache or 0 for no cache.
* maxCachedFileSize The maximum size of a file to cache
* maxCachedFiles The maximum number of files to cache
* 
* useFileMappedBuffer
*          If set to true, it will use mapped file buffer to serve static content
*          when using NIO connector. Setting this value to false means that
*          a direct buffer will be used instead of a mapped file buffer.
*          By default, this is set to true.
* 
* cacheControl  If set, all static content will have this value set as the cache-control
*                 header.
public class DefaultServlet extends HttpServlet implements ResourceFactory {
    private static final Logger LOG = Log.getLogger(DefaultServlet.class);

    private static final long serialVersionUID = 4930458713846881193L;
    private ServletContext _servletContext;
    private ContextHandler _contextHandler;

    private boolean _acceptRanges=true;
    private boolean _dirAllowed=true;
    private boolean _welcomeServlets=false;
    private boolean _welcomeExactServlets=false;
    private boolean _redirectWelcome=false;
    private boolean _gzip=true;
    private boolean _pathInfoOnly=false;

    private Resource _resourceBase;
    private ResourceCache _cache;

    private MimeTypes _mimeTypes;
    private String[] _welcomes;
    private Resource _stylesheet;
    private boolean _useFileMappedBuffer=false;
    private ByteArrayBuffer _cacheControl;
    private String _relativeResourceBase;
    private ServletHandler _servletHandler;
    private ServletHolder _defaultHolder;

    @Override
    public void init()
        throws UnavailableException
    {
        _servletContext=getServletContext();
        _contextHandler = initContextHandler(_servletContext);

        _mimeTypes = _contextHandler.getMimeTypes();

        _welcomes = _contextHandler.getWelcomeFiles();
        if (_welcomes==null)
_welcomes=new String[] {"index.html","index.jsp"};

_acceptRanges=getInitBoolean("acceptRanges",_acceptRanges);
_dirAllowed=getInitBoolean("dirAllowed",_dirAllowed);
_redirectWelcome=getInitBoolean("redirectWelcome",_redirectWelcome);
_gzip=getInitBoolean("gzip",_gzip);
_pathInfoOnly=getInitBoolean("pathInfoOnly",_pathInfoOnly);

if ("exact".equals(getInitParameter("welcomeServlets")))
{
    _welcomeExactServlets=true;
    _welcomeServlets=false;
}
else
    _welcomeServlets=getInitBoolean("welcomeServlets",_welcomeServlets);

if (getInitParameter("aliases")!=null)
    _contextHandler.setAliases(getInitBoolean("aliases",false));

boolean aliases=_contextHandler.isAliases();
if (!aliases && !_FileResource.getCheckAliases())
    throw new IllegalStateException("Alias checking disabled");
if (aliases)
    _servletContext.log("Aliases are enabled");

_useFileMappedBuffer=getInitBoolean("useFileMappedBuffer",_useFileMappedBuffer);

_relativeResourceBase = getInitParameter("relativeResourceBase");

String rb=getInitParameter("resourceBase");
if (rb!=null)
{
    if (_relativeResourceBase!=null)
        throw new UnavailableException("resourceBase & relativeResourceBase");
    try{ _resourceBase=_contextHandler.newResource(rb);}
    catch (Exception e)
    {
        LOG.warn(Log.EXCEPTION,e);
        throw new UnavailableException(e.toString());
    }
}

String css=getInitParameter("stylesheet");
try
{
    if(css!=null)
    {
        _stylesheet = Resource.newResource(css);
    }
if(!_stylesheet.exists())
{
    LOG.warn("!" + css);
    _stylesheet = null;
}
}
if(_stylesheet == null)
{
    _stylesheet = Resource.newResource(this.getClass().getResource("/jetty-dir.css"));
}
}
catch(Exception e)
{
    LOG.warn(e.toString());
    LOG.debug(e);
}

String t=getInitParameter("cacheControl");
if (t!=null)
    _cacheControl=new ByteArrayBuffer(t);

String resourceCache = getInitParameter("resourceCache");
int max_cache_size=getInitInt("maxCacheSize", -2);
int max_cached_file_size=getInitInt("maxCachedFileSize", -2);
int max_cached_files=getInitInt("maxCachedFiles", -2);
if (resourceCache!=null)
    if (max_cache_size!=-1 || max_cached_file_size!=-2 || max_cached_files!=-2)
        LOG.debug("ignoring resource cache configuration, using resourceCache attribute");
    if (_relativeResourceBase!=null || _resourceBase!=null)
        throw new UnavailableException("resourceCache specified with resource bases");
    _cache=(ResourceCache)_servletContext.getAttribute(resourceCache);

LOG.debug("Cache {}={}",resourceCache,_cache);
}

try
{
    if (_cache==null && max_cached_files>0)
    {
        _cache= new ResourceCache(null,this._mimeTypes,_useFileMappedBuffer);

        if (max_cache_size>0)
            _cache.setMaxCacheSize(max_cache_size);
        if (max_cached_file_size>=-1)
            _cache.setMaxCachedFileSize(max_cached_file_size);
        if (max_cached_files>=-1)
            _cache.setMaxCachedFiles(max_cached_files);
    }
catch (Exception e) {
    LOG.warn(Log.EXCEPTION, e);
    throw new UnavailableException(e.toString());
}

_servletHandler= (_servletHandler) _contextHandler.getChildHandlerByClass(ServletHandler.class);
for (ServletHolder h : _servletHandler.getServlets())
    if (h.getServletInstance()==this)
        _defaultHolder=h;

if (LOG.isDebugEnabled())
    LOG.debug("resource base = "+_resourceBase);
}

/**
 * Compute the field _contextHandler.<br>
 * In the case where the DefaultServlet is deployed on the HttpService it is likely that
 * this method needs to be overwritten to unwrap the ServletContext facade until we reach
 * the original jetty's ContextHandler.
 * @param servletContext The servletContext of this servlet.
 * @return the jetty's ContextHandler for this servletContext.
 */
protected ContextHandler initContextHandler(ServletContext servletContext) {
    ContextHandler.Context scontext=ContextHandler.getCurrentContext();
    if (scontext==null)
        {
            if (servletContext instanceof ContextHandler.Context)
            else
                throw new IllegalArgumentException("The servletContext " + servletContext + " is not "+ContextHandler.Context.class.getName());
        }
    else
        return ContextHandler.getCurrentContext().getContextHandler();
}

/* ------------------------------------------------------------------ */
@Override
public String getInitParameter(String name) {
    String value=getServletContext().getInitParameter("org.eclipse.jetty.servlet.Default."+name);
    if (value==null)
        value=super.getInitParameter(name);
    return value;
private boolean getInitBoolean(String name, boolean dft) {
    String value=getInitParameter(name);
    if (value==null || value.length()==0)
        return dft;
    return (value.startsWith("t")||
            value.startsWith("T")||
            value.startsWith("y")||
            value.startsWith("Y")||
            value.startsWith("1");
}

private int getInitInt(String name, int dft) {
    String value=getInitParameter(name);
    if (value==null)
        value=getInitParameter(name);
    if (value!=null && value.length()>0)
        return Integer.parseInt(value);
    return dft;
}

/** get Resource to serve. */
/** * Map a path to a resource. The default implementation calls * HttpContext.getResource but derived servlets may provide * their own mapping. * @param pathInContext The path to find a resource for. * @return The resource to serve. */
public Resource getResource(String pathInContext) {
    Resource r=null;
    if (_relativeResourceBase!=null)
        pathInContext=URIUtil.addPaths(_relativeResourceBase,pathInContext);
    try {
        if (_resourceBase!=null)
            { 
            r = _resourceBase.addPath(pathInContext);
            } 
        else
            {
URL u = _servletContext.getResource(pathInContext);
r = _contextHandler.newResource(u);
}

if (LOG.isDebugEnabled())
  LOG.debug("Resource "+pathInContext+"="+r);
}
catch (IOException e)
{
  LOG.ignore(e);
}

if((r==null || !r.exists()) && pathInContext.endsWith("/jetty-dir.css"))
r=_stylesheet;

return r;
}

/*@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
String servletPath=null;
String pathInfo=null;
Enumeration<String> reqRanges = null;
Boolean included =request.getAttribute(Dispatcher.INCLUDE_REQUEST_URI)!=null;
if (included!=null && included.booleanValue())
{
  servletPath=(String)request.getAttribute(Dispatcher.INCLUDE_SERVLET_PATH);
  pathInfo=(String)request.getAttribute(Dispatcher.INCLUDE_PATH_INFO);
  if (servletPath==null)
  {
    servletPath=request.getServletPath();
    pathInfo=request.getPathInfo();
  }
}
else
{
  included = Boolean.FALSE;
  servletPath = _pathInfoOnly?"":request.getServletPath();
  pathInfo = request.getPathInfo();

  // Is this a Range request?
  reqRanges = request.getHeaders(HttpHeaders.RANGE);
  if (!(hasDefinedRange(reqRanges))
    reqRanges = null;
}
String pathInContext=URIUtil.addPaths(servletPath,pathInfo);
boolean endsWithSlash=(pathInfo==null?request.getServletPath():pathInfo).endsWith(URIUtil.SLASH);

// Can we gzip this request?
String pathInContextGz=null;
boolean gzip=false;
if (!included.booleanValue() && _gzip && reqRanges==null && !endsWithSlash )
{
    // Tell caches that response may vary by accept-encoding
    response.setHeader(HttpHeaders.VARY,HttpHeaders.ACCEPT_ENCODING);
    // Should we vary this response according to accept-encoding?
    String accept=request.getHeader(HttpHeaders.ACCEPT_ENCODING);
    if (accept!=null && accept.indexOf("gzip")>=0)
    {
        gzip=true;
    }
}

// Find the resource and content
Resource resource=null;
HttpContent content=null;

try
{
    // Try gzipped content first
    if (gzip)
    {
        pathInContextGz=pathInContext+".gz";

        if (_cache==null)
        {
            resource=getResource(pathInContextGz);
        }
        else
        {
            content=_cache.lookup(pathInContextGz);
            resource=(content==null)?null:content.getResource();
        }

        if (resource==null || !resource.exists() || resource.isDirectory())
        {
            gzip=false;
            pathInContextGz=null;
        }
    }

    // find resource
    if (!gzip)
    {
    
}
if (_cache==null)
    resource=getResource(pathInContext);
else
{
    content=_cache.lookup(pathInContext);
    resource=content==null?null:content.getResource();
}
}

if (LOG.isDebugEnabled())
    LOG.debug("uri="+request.getServletPath()+" resource="+resource+(content!=null?" content":""));

// Handle resource
if (resource==null || !resource.exists())
{
    if (included)
        throw new FileNotFoundException("!" + pathInContext);
    response.sendError(HttpServletResponse.SC_NOT_FOUND);
}
else if (!resource.isDirectory())
{
    if (endsWithSlash && _contextHandler.isAliases() && pathInContext.length()>1)
    {
        String q=request.getQueryString();
        pathInContext=pathInContext.substring(0,pathInContext.length()-1);
        if (q!=null&&q.length()!=0)
            pathInContext+="?"+q;
        response.sendRedirect(response.encodeRedirectURL(URIUtil.addPaths(_contextHandler.getContextPath(),pathInContext)));
    }
    else
    {
        // ensure we have content
        if (content==null)
            content=new HttpContent.ResourceAsHttpContent(resource,_mimeTypes.getMimeByExtension(resource.toString()),response.getBufferSize());
        if (included.booleanValue() || passConditionalHeaders(request,response, resource,content))
        {
            if (gzip)
            {
                response.setHeader(HttpHeaders.CONTENT_ENCODING,"gzip");
                String mt=_contextHandler.getMimeType(pathInContext);
                if (mt!=null)
                    response.setContentType(mt);
            }
            sendData(request,response,included.booleanValue(),resource,content,reqRanges);
        }
    }
}
if (!endsWithSlash || (pathInContext.length()==1 && request.getAttribute("org.eclipse.jetty.server.nullPathInfo")!=null))
{
    StringBuffer buf=request.getRequestURL();
    synchronized(buf)
    {
        int param=buf.lastIndexOf(";");
        if (param<0)
            buf.append(?
        else
            buf.insert(param,'/');
        String q=request.getQueryString();
        if (q!=null&&q.length()!)=0)
        {
            buf.append("?",);
            buf.append(q);
        }
        response.setContentLength(0);
        response.sendRedirect(response.encodeRedirectURL(buf.toString()));
    }
} // else look for a welcome file
else if (null!=(welcome=getWelcomeFile(pathInContext)))
{
    LOG.debug("welcome={ }",welcome);
    if (_redirectWelcome)
    {
        // Redirect to the index
        response.setContentLength(0);
        String q=request.getQueryString();
        if (q!=null&&q.length()!)=0)
            response.sendRedirect(response.encodeRedirectURL(URIUtil.addPaths(_servletContext.getContextPath(),welcome)+"?"+q));
        else
            response.sendRedirect(response.encodeRedirectURL(URIUtil.addPaths(_servletContext.getContextPath(),welcome)));
    }
    else
    {
        // Forward to the index
        RequestDispatcher dispatcher=request.getRequestDispatcher(welcome);
if (dispatcher!=null)
{
    if (included.booleanValue())
        dispatcher.include(request,response);
    else
    {
        request.setAttribute("org.eclipse.jetty.server.welcome",welcome);
        dispatcher.forward(request,response);
    }
}
}
}
else
{
    content=new
    HttpContent.ResourceAsHttpContent(resource,_mimeTypes.getMimeByExtension(resource.toString()));
    if (included.booleanValue() || passConditionalHeaders(request,response, resource,content))
        sendDirectory(request,response,resource,pathInContext);
}
}

catch(IllegalArgumentException e)
{
    LOG.warn(Log.EXCEPTION,e);
    if(!response.isCommitted())
        response.sendError(500, e.getMessage());
}
finally
{
    if (content!=null)
        content.release();
    else if (resource!=null)
        resource.release();
}

/**
 * @inheritDoc
 */

private boolean hasDefinedRange(Enumeration<String> reqRanges)
{
    return (reqRanges!=null && reqRanges.hasMoreElements());
}

/**
 * @Override
 */

@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException
{
doGet(request, response);
}

/* ------------------------------------------------------------- */
/* (non-Javadoc) */
/* @see javax.servlet.http.HttpServlet#doTrace(javax.servlet.http.HttpServletRequest,
javax.servlet.http.HttpServletResponse) */
/*@Override*/
protected void doTrace(HttpServletRequest req, HttpServletResponse resp) throws ServletException, IOException
{
    resp.sendError(HttpServletResponse.SC_METHOD_NOT_ALLOWED);
}

/* ------------------------------------------------------------- */
@Override
protected void doOptions(HttpServletRequest req, HttpServletResponse resp)
throws ServletException, IOException
{
    resp.setHeader("Allow", "GET,HEAD,POST,OPTIONS");
}

/* ------------------------------------------------------------- */
/**
* Finds a matching welcome file for the supplied \{ @link Resource \}. This will be the first entry in the list of
* configured \{ @link #_welcomes welcome files \} that existing within the directory referenced by the
* <code>Resource</code>.
* If the resource is not a directory, or no matching file is found, then it may look for a valid servlet mapping.
* If there is none, then <code>null</code> is returned.
* The list of welcome files is read from the \{ @link ContextHandler \} for this servlet, or
* <code>"index.jsp" , "index.html" </code> if that is <code>null</code>.
* @param resource
* @return The path of the matching welcome file in context or null.
* @throws IOException
* @throws MalformedURLException
*/
private String getWelcomeFile(String pathInContext) throws MalformedURLException, IOException
{
    if (_welcomes==null)
        return null;

    String welcome_servlet=null;
    for (int i=0;i<_welcomes.length;i++)
    {
        String welcome_in_context=URIUtil.addPaths(pathInContext,_welcomes[i]);
        Resource welcome=getResource(welcome_in_context);
        if (welcome!=null & welcome.exists())
            return _welcomes[i];
    }
if ((_welcomeServlets || _welcomeExactServlets) && welcome_servlet==null) {
    Map.Entry entry=_servletHandler.getHolderEntry(welcome_in_context);
    if (entry!=null && entry.getValue()!=_defaultHolder &&
        (_welcomeServlets || (_welcomeExactServlets && entry.getKey().equals(welcome_in_context))))
        welcome_servlet=welcome_in_context;
}
return welcome_servlet;

/* ------------------------------------------------------------- */
/* Check modification date headers. */
/* */
protected boolean passConditionalHeaders(HttpServletRequest request, HttpServletResponse response, Resource resource, HttpContent content) throws IOException {
    try {
        if (!request.getMethod().equals(HttpMethods.HEAD) ) {
            String ifms=request.getHeader(HttpHeaders.IF_MODIFIED_SINCE);
            if (ifms!=null) {
                //Get jetty's Response impl
                Response r = Response.getResponse(response);
                if (content!=null) {
                    Buffer mdlm=content.getLastModified();
                    if (mdlm!=null) {
                        if (ifms.equals(mdlm.toString())) {
                            r.reset(true);
                            r.setStatus(HttpServletResponse.SC_NOT_MODIFIED);
                            r.flushBuffer();
                            return false;
                        }
                    }
                }
                long ifmsl=request.getDateHeader(HttpHeaders.IF_MODIFIED_SINCE);
                if (ifmsl!=-1) {
                    
                }
            }
        }
    }
    long ifmsl=request.getHeader(HttpHeaders.IF_MODIFIED_SINCE);
    if (ifmsl!=-1) {
        
    }
}
if (resource.lastModified()/1000 <= ifmsl/1000)
{
    r.reset(true);
    r.setStatus(HttpServletResponse.SC_NOT_MODIFIED);
    r.flushBuffer();
    return false;
}
}

// Parse the if[un]modified dates and compare to resource
long date=request.getDateHeader(HttpHeaders.IF_UNMODIFIED_SINCE);

if (date!=-1)
{
    if (resource.lastModified()/1000 > date/1000)
    {
        response.sendError(HttpServletResponse.SC_PRECONDITION_FAILED);
        return false;
    }
}
}

}catch(IllegalArgumentException iae)
{
    if(!response.isCommitted())
    {
        response.sendError(400, iae.getMessage());
        throw iae;
    }
    return true;
}

/** /vndicherandshsghhs*/
protected void sendDirectory(HttpServletRequest request,
    HttpServletResponse response,
    Resource resource,
    String pathInContext)
throws IOException
{
    if (!_dirAllowed)
    {
        response.sendError(HttpServletResponse.SC_FORBIDDEN);
        return;
    }

    byte[] data=null;
String base = URIUtil.addPaths(request.getRequestURI(), URIUtil.SLASH);

// If the DefaultServlet has a resource base set, use it
if (_resourceBase != null) {
    // handle ResourceCollection
    if (_resourceBase instanceof ResourceCollection)
        resource = _resourceBase.addPath(pathInContext);
}

// Otherwise, try using the resource base of its enclosing context handler
else if (_contextHandler.getBaseResource() instanceof ResourceCollection)
    resource = _contextHandler.getBaseResource().addPath(pathInContext);

String dir = resource.getListHTML(base, pathInContext.length() > 1);
if (dir == null) {
    response.sendError(HttpServletResponse.SC_FORBIDDEN, "No directory");
    return;
}

data = dir.getBytes("UTF-8");
response.setContentType("text/html; charset=UTF-8");
response.setContentLength(data.length);
response.getOutputStream().write(data);
}

/* ---------------------------------------------- */
protected void sendData(HttpServletRequest request,
    HttpServletResponse response,
    boolean include,
    Resource resource,
    HttpContent content,
    Enumeration reqRanges)
throws IOException
{
    boolean direct;
    long content_length;
    if (content == null) {
        direct = false;
        content_length = resource.length();
    }
    else {
        Connector connector = AbstractHttpConnection.getCurrentConnection().getConnector();
        direct = connector instanceof NIOConnector && ((NIOConnector)connector).getUseDirectBuffers() &&
        !(connector instanceof SslConnector);
        }
// Get the output stream (or writer)
OutputStream out = null;
boolean written;
try {
    out = response.getOutputStream();

    // has a filter already written to the response?
    written = out instanceof HttpOutput
        ? ((HttpOutput)out).isWritten()
        : AbstractHttpConnection.getCurrentConnection().getGenerator().isWritten();
}
catch (IllegalStateException e) {
    out = new WriterOutputStream(response.getWriter());
    written = true; // there may be data in writer buffer, so assume written
}

if (reqRanges == null || !reqRanges.hasMoreElements() || content_length < 0) {
    // if there were no ranges, send entire entity
    if (include) {
        resource.writeTo(out, 0, content_length);
    } else {
        // See if a direct methods can be used?
        if (content != null && !written && out instanceof HttpOutput) {
            if (response instanceof Response) {
                writeOptionHeaders(((Response)response).getHttpFields());
                ((AbstractHttpConnection.Output)out).sendContent(content);
            } else {
                Buffer buffer = direct ? content.getDirectBuffer() : content.getIndirectBuffer();
                if (buffer != null) {
                    writeHeaders(response, content, content_length);
                    ((AbstractHttpConnection.Output)out).sendContent(buffer);
                } else {
                    // no content to send
                }
            }
        }
    }
}
{  
    writeHeaders(response, content, content_length);
    resource.writeTo(out, 0, content_length);
}

}  
else  
{  
    // Write headers normally
    writeHeaders(response, content, written? -1 : content_length);

    // Write content normally
    Buffer buffer = (content==null)?null:content.getIndirectBuffer();
    if (buffer!=null)
        buffer.writeTo(out);
    else
        resource.writeTo(out, 0, content_length);
}
}
}
}
else  
{  
    // Parse the satisfiable ranges
    List ranges =InclusiveByteRange.satisfiableRanges(reqRanges, content_length);

    // if there are no satisfiable ranges, send 416 response
    if (ranges==null || ranges.size()==0)
    {  
        writeHeaders(response, content, content_length);
        response.setStatus(HttpServletResponse.SC_REQUESTED_RANGE_NOT_SATISFIABLE);
        response.setHeader(HttpHeaders.CONTENT_RANGE, InclusiveByteRange.to416HeaderRangeString(content_length));
        resource.writeTo(out, 0, content_length);
        return;
    }

    // if there is only a single valid range (must be satisfiable
    // since were here now), send that range with a 216 response
    if (ranges.size()==1)
    {
        InclusiveByteRange singleSatisfiableRange =
            (InclusiveByteRange)ranges.get(0);
        long singleLength = singleSatisfiableRange.getSize(content_length);
        writeHeaders(response, content, singleLength);
        response.setStatus(HttpServletResponse.SC_PARTIAL_CONTENT);
        response.setHeader(HttpHeaders.CONTENT_RANGE, singleSatisfiableRange.toHeaderRangeString(content_length));
        resource.writeTo(out, singleSatisfiableRange.getFirst(content_length), singleLength);
    }

    // if there are any satisfiable ranges, send 216 response
    else
    {  
        writeHeaders(response, content, content_length);
        response.setStatus(HttpServletResponse.SC_PARTIAL_CONTENT);
        response.setHeader(HttpHeaders.CONTENT_RANGE, InclusiveByteRange.toHeaderRangeString(content_length));
        resource.writeTo(out, content_length);
    }
}
}
// multiple non-overlapping valid ranges cause a multipart
// 216 response which does not require an overall
// content-length header
//
// writeHeaders(response,content,-1);
String mimetype=content.getContentType().toString();
MultiPartOutputStream multi = new MultiPartOutputStream(out);
response.setStatus(HttpServletResponse.SC_PARTIAL_CONTENT);

// If the request has a "Request-Range" header then we need to
// send an old style multipart/x-byteranges Content-Type. This
// keeps Netscape and acrobat happy. This is what Apache does.
String ctp;
if (request.getHeader(HttpHeaders.REQUEST_RANGE)!=null)
    ctp = "multipart/x-byteranges; boundary=";
else
    ctp = "multipart/byteranges; boundary=";
response.setContentType(ctp+multi.getBoundary());

InputStream in=resource.getInputStream();
long pos=0;

// calculate the content-length
int length=0;
String[] header = new String[ranges.size()];
for (int i=0;i<ranges.size();i++)
{
    InclusiveByteRange ibr = (InclusiveByteRange) ranges.get(i);
    header[i]=ibr.toHeaderRangeString(content_length);
    length+=
        ((i>0)?2:0)+
        2+multi.getBoundary().length()+2+
        HttpHeaders.CONTENT_TYPE.length()+2+mimetype.length()+2+
        HttpHeaders.CONTENT_RANGE.length()+2+header[i].length()+2+
        2+
        (ibr.getLast(content_length)-ibr.getFirst(content_length))+1;
}
length+=2+2+multi.getBoundary().length()+2+2;
response.setContentLength(length);

for (int i=0;i<ranges.size();i++)
{
    InclusiveByteRange ibr = (InclusiveByteRange) ranges.get(i);
    multi.startPart(mimetype,new String[]{{HttpHeaders.CONTENT_RANGE+": ",header[i]}});
long start=ibr.getFirst(content_length);
long size=ibr.getSize(content_length);
if (in!=null)
{
  // Handle non cached resource
  if (start<pos)
  {
    in.close();
in=resource.getInputStream();
pos=0;
  }
  if (pos<start)
  {
    in.skip(start-pos);
pos=start;
  }
  IO.copy(in,multi,size);
pos+=size;
  }
else
  // Handle cached resource
  (resource).writeTo(multi,start,size);
}
if (in!=null)
in.close();
multi.close();
return;
}

/* ------------------------------------------------------------- */
protected void writeHeaders(HttpServletResponse response,HttpContent content,long count)
throws IOException
{
  if (content.getContentType()!=null && response.getContentType()==null)
    response.setContentType(content.getContentType().toString());
  if (response instanceof Response)
  {
    Response r=(Response)response;
    HttpFields fields = r.getHttpFields();
    if (content.getLastModified()!=null)
      fields.put(HttpHeaders.LAST_MODIFIED_BUFFER,content.getLastModified());
    else if (content.getResource()!=null)
      long lml=content.getResource().lastModified();
  }
}
if (lml!=-1)
    fields.putDateField(HttpHeaders.LAST_MODIFIED_BUFFER,lml);
}

if (count != -1)
    r.setLongContentLength(count);

writeOptionHeaders(fields);
} else
{
    long lml=content.getResource().lastModified();
    if (lml>=0)
        response.setDateHeader(HttpHeaders.LAST_MODIFIED,lml);

    if (count != -1)
    {
        if (count<Integer.MAX_VALUE)
            response.setContentLength((int)count);
        else
            response.setHeader(HttpHeaders.CONTENT_LENGTH,Long.toString(count));
    }

    writeOptionHeaders(response);
}
}

/* ----------------------------------------------------------------*/
protected void writeOptionHeaders(HttpFields fields) throws IOException
{
    if (_acceptRanges)
        fields.put(HttpHeaders.ACCEPT_RANGES_BUFFER,HttpHeaderValues.BYTES_BUFFER);

    if (_cacheControl!=null)
        fields.put(HttpHeaders.CACHE_CONTROL_BUFFER,_cacheControl);
}
/* ----------------------------------------------------------------*/
protected void writeOptionHeaders(HttpServletResponse response) throws IOException
{
    if (_acceptRanges)
        response.setHeader(HttpHeaders.ACCEPT_RANGES,"bytes");

    if (_cacheControl!=null)
        response.setHeader(HttpHeaders.CACHE_CONTROL,_cacheControl.toString());
}
```java
/**
 * @see javax.servlet.Servlet#destroy()
 */

@Override
public void destroy()
{
    if (_cache!=null)
    {
        _cache.flushCache();
        super.destroy();
    }
}
```
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1.117 jackson-datatype-jsr310 2.9.8

1.118 ncurses 6.0+20161126 1+deb9u2

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This package is used for testing builds of ncurses.

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1.120 zookeeper 1.5.2-0.7.git269f928.el7

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1.121 python-defaults 2.7.15~rc1-1

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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.

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1.124 jetty-xml 9.4.8.v20171121

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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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 */

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" Vim syntax file
" Language: Software Distributor product specification file
" (POSIX 1387.2-1995).
" Maintainer: Rex Barzee <rex_barzee@hp.com>
" Last change: 25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
  finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +[^\# ][^\#]*+ contained
syn region psfQuotString start=\"+ skip=\"+ end=\"+ contained

syn match  psfObjTag  ".\textless[-_+A-Z0-9a-z]\textgreater\textless[-_+A-Z0-9a-z]\textgreater\textless[^\# ][^\#]*\textgreater \textless[^\# ][^\#]*\textgreater contained
syn match  psfObjTags "\textless[-_+A-Z0-9a-z]\textgreater\textless[-_+A-Z0-9a-z]\textgreater\textless[^\# ][^\#]*\textgreater\textless[-_+A-Z0-9a-z]\textgreater contained

syn match  psfNumber    \"\textless[^\# ][^\#]*\textgreater contained
syn match  psfFloat     \"\textless[^\# ][^\#]*\textgreater contained
syn match  psfLongDate  \"\textless[^\# ][^\#]*\textgreater contained

syn keyword psfState available configured corrupt installed transient contained
syn keyword psfPState  applied committed superseded contained

" Some of the attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
" create_date description directory file_permissions install_source
" install_type location machine_type mod_date number os_name os_release
" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=--\s*[^# \t]+\s*[^# " ]-- rs=0-
contains=psfUnquotString,psfComment end=\$-- keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=--\s*[^# \t]+\s*"-- rs=0-
contains=psfQuotString,psfComment skip=--\"-- matchgroup=psfQuotString end=\"-- keepend

" These regions are defined in attempt to do syntax checking for some
" of the attributes.
syn region psfAttTag matchgroup=psfAttrib start="\s*tag\s+" contains=psfObjTag,psfComment end="\$" keepend oneline

syn region psfAttSpec matchgroup=psfAttrib
start="\s*(ancestor|applied_patches|applied_to|contents|corequisites|exrequisites|prerequisites|software_spec|
supersedes|superseded_by)\s+" contains=psfObjTag,psfAttAbbrev,psfComment end="\$" keepend

syn region psfAttTags matchgroup=psfAttrib start="\s*all_filesets\s+" contains=psfObjTags,psfComment end="\$" keepend

syn region psfAttNumber matchgroup=psfAttrib
start="\s*(compressed_size|instance_id|media_sequence_number|sequence_number|size)\s+" contains=psfNumber,psfComment end="\$" keepend oneline

syn region psfAttTime matchgroup=psfAttrib start="\s*(create_time|ctime|mod_time|mtime|timestamp)\s+" contains=psfNumber,psfComment end="\$" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="\s*(data_model_revision|layout_version)\s+" contains=psfFloat,psfComment end="\$" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="\s*install_date\s+" contains=psfLongDate,psfComment end="\$" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="\s*(state)\s+" contains=psfState,psfComment end="\$" keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="\s*(patch_state)\s+" contains=psfPState,psfComment end="\$" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib
start="\s*(is_kernel|is_locatable|is_patch|is_protected|is_reboot|is_reference|is_secure|is_sparse)\s+" contains=psfBoolean,psfComment end="\$" keepend oneline

syn match  psfComment "#.*$"

" Define the default highlighting.
" Only when an item doesn't have highlighting yet
" Long descriptions and copyrights confuse the syntax highlighting, so " force vim to backup at least 100 lines before the top visible line "] looking for a sync location.

```
syn sync lines=100

let b:current_syntax = "psf"
```

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Version 2.1, February 1999

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That's all there is to it!
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

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  c) Provide all the changes, including source code, with every copy of
  the modified Vim you distribute. This may be done in the form of a
  context diff. You can choose what license to use for new code you
  add. The changes and their license must not restrict others from
  making their own changes to the official version of Vim.

  d) When you have a modified Vim which includes changes as mentioned
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    permits the Vim maintainer to include the changes in the official
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  - You keep the changes for at least three years after last
    distributing the corresponding modified Vim. When the maintainer
    or someone who you distributed the modified Vim to asks you (in
    any way) for the changes within this period, you must make them
    available to him.
  - You clearly describe in the distribution how to contact you. This
    contact information must remain valid for at least three years
    after last distributing the corresponding modified Vim, or as long
    as possible.

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  any later version.

3) A message must be added, at least in the output of the ":version"
   command and in the intro screen, such that the user of the modified Vim
   is able to see that it was modified. When distributing as mentioned
   under 2)e) adding the message is only required for as far as this does
   not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be
   removed or changed, except that the person himself can make
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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.

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- 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
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
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

```
vim:tw=78:ts=8:noet:ft=help:norl:
```

### 1.131 jackson-databind 2.6.4

#### 1.131.1 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.salaranta@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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1.132 thymeleaf extras java8time 3.0.4

1.132.1 Available under license:

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1.133 json-cpp 1.7.4 3
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1.134 byte-buddy 1.6.14

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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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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
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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.

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.

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

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

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

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

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

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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Otherwise, if the work is a derivative of the Library, you may
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1.147 sqlite 3.22.0 1

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1.148 protobuf-java 3.2.0
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  * Added generation of field number constants.
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  * Fixed initialization ordering problem in logging code.
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  * HPUX support.
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  * Fixes for Solaris 10 32/64-bit confusion.
Evan Jones <evanj@mit.edu>
  * Optimize Java serialization code when writing a small message to a stream.
  * 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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William Orr <will@worrbase.com>
  * Fixed detection of sched_yield on Solaris.
  * Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
  * Fixed minor IBM xIC compiler build issues
  * Added atomicops for AIX (POWER)

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1.149 jul-to-slf4j 1.7.25

1.150 lato 0.3.0

1.151 ca-certificates 20190108-r0

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1.152 snake-yaml 1.17

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1.157 neo4j-collections 3.3.9

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1.159 libcap 2.27-r0

1.159.1 Available under license:

mini_sendmail - accept email on behalf of real sendmail

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fix issues with fortify-headers and the way openssh handles the needed
BSD compatible realpath(3).

unconditionally use the provided realpath() as otherwise cross-builds
would try to use musl realpath() which is posix compliant and not
working to openssh expectations.

diff -ru openssh-7.2p2.orig/openbsd-compat/openbsd-compat.h openssh-7.2p2/openbsd-compat/openbsd-compat.h
--- openssh-7.2p2.orig/openbsd-compat/openbsd-compat.h 2016-03-09 20:04:48.000000000 +0200
@@ -68,17 +68,7 @@
 void *reallocarray(void *, size_t, size_t);
#endif

-#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
-/*
- * glibc's FORTIFY_SOURCE can redefine this and prevent us picking up the
- * compat version.
- */
-#endif

-char *realpath(const char *path, char *resolved);
-#endif

+char *ssh_realpath(const char *path, char *resolved);

#ifndef HAVE_RRESVPORT_AF

int rresvport_af(int *alport, sa_family_t af);

diff -ru openssh-7.2p2.orig/openbsd-compat/realpath.c openssh-7.2p2/openbsd-compat/realpath.c
--- openssh-7.2p2.orig/openbsd-compat/realpath.c 2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/openbsd-compat/realpath.c 2016-07-18 13:33:45.420721690 +0300
@@ -31,7 +31,7 @@
 #include "includes.h"

 +#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
 +#if 1

+#include <sys/types.h>
+include <sys/param.h>
@@ -58,7 +58,7 @@
 * in which case the path which caused trouble is left in (resolved).
 */
 char *
-realpath(const char *path, char *resolved)


```c
+ssh_realpath(const char *path, char *resolved)
{
    struct stat sb;
    char *p, *q, *s;

diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ -1162,7 +1162,7 @@
}
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ @ @ -1162,7 +1162,7 @@
}
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ @ @ -1162,7 +1162,7 @@
}
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ @ @ -1162,7 +1162,7 @@
}

diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ @ @ -1162,7 +1162,7 @@
}
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ @ @ -1162,7 +1162,7 @@
}
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ @ @ -1162,7 +1162,7 @@
}
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ @ @ -1162,7 +1162,7 @@
}
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c	2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c	2016-07-18 13:34:29.131267241 +0300
@@ @ @ -1162,7 +1162,7 @@
}
```

```sh
+arch=$(uname -m)
for t in msdos gpt bsd; do
    if [ "St" = bsd ] && [ "$arch" = "s390x" ]; then
        continue
    fi
    duplicate $t || fail=1
done
```

```bash
pkgname=py-flake8-copyright
.pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=2
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
    cd "$builddir"
```
```python3
setup.py build || return 1
}

def package():

cd "$builddir"

python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf  flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9ed5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73  flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaed3a525ac3c7da12b1f2ec338c204ce69b72d0f5cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90  flake8-copyright-0.2.0.tar.gz"

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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="Spkgname-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="$pkgdesc (Stype)"
install_if="$pkgname"
mkdir -p "$subpkgdir"/usr/share/spdx
cp -r "$builddir"/Stype "$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="4b4bcde554ee69e9e0703152a2d09e2a3c49314718d6b7e0847c0dff6a989d5d4684d152e899e8bb3b2a767ded027eacfe1eb6aeeff945ef2c5aa933cfd2ec license-list-data-3.5.tar.gz"
/*
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 */
--- 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"
# 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
  make
}

package() {
  cd "$builddir"
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart-lgpl-2.3.21.tar.bz2"
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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=0
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {

default_prepare

cd "$builddir"
export CFLAGS="perl -MConfig -E 'say $Config{ccflags}"
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
```

build() {
    cd "$builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make
}

check() {
    cd "$builddir"
    make test
}

package() {
    cd "$builddir"
    make DESTDIR="$pkgdir" install
    find "$pkgdir" (-name perllocal.pod -o -name .packlist) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4feaf16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

1.160 spring-plugin-core 1.2.0

1.161 micrometer-core 1.1.4

1.162 systemd 237 3ubuntu10.15
1.162.1 Available under license:

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1.163 common 1.0.0-beta.2

1.164 gettext 0.19.8.1 6ubuntu0.3
1.164.1 Available under license:

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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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```plaintext
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1.167 accessors-smart 1.2

1.168 vim 8.0.1453-1ubuntu1

1.168.1 Available under license:

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

VIM REFERENCE MANUAL  by Bram Moolenaar

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SUMMARY
*iccf*  *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below 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 features. See |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see |manual-copyright|.

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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.

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- 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
Finsterruethof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:noet:ft=help:norl:
/*
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" Vim syntax file
" Language:Software Distributor product specification file
"(POSIX 1387.2-1995).
" Maintainer:Rex Barzee <rex_barzee@hp.com>
" Last change:25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
  finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +\[^"# ][^#]*+ contained
Some of the attributes covered by atUnquotString and atQuotString:
- architecture
- category_tag
- control_directory
- copyright
- create_date
- description
- directory
- file_permissions
- install_source
- install_type
- location
- machine_type
- mod_date
- number
- os_name
- os_release
- os_version
- pose_as_os_name
- pose_as_os_release
- readme
- revision
- share_link
- title
- vendor_tag

These regions are defined in attempt to do syntax checking for some
of the attributes.

The regions allow:
- psfAttTag matchgroup=psfAttrib
- psfAttSpec matchgroup=psfAttrib
- psfAttNumber matchgroup=psfAttrib
- psfAttTime matchgroup=psfAttrib
Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.01462

```
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="^\s*(data_model_revision|layout_version)\s\+" contains=psfFloat,psfComment end="$" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\+" contains=psfLongDate,psfComment end="$" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="^\s*(state)\s\+" contains=psfState,psfComment end="$" keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="^\s*(patch_state)\s\+" contains=psfPState,psfComment end="$" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib start="^\s*(is_kernel|is_locatable|is_patch|is_protected|is_reboot|is_reference|is_secure|is_sparse)\s\+" contains=psfBoolean,psfComment end="$" keepend oneline

syn match  psfComment "#.+$"

" Define the default highlighting.
" Only when an item doesn't have highlighting yet

hi def link psfObject       Statement
hi def link psfAttrib       Type
hi def link psfQuotString   String
hi def link psfObjTag       Identifier
hi def link psfAttAbbrev    PreProc
hi def link psfObjTags      Identifier
hi def link psfComment      Comment

" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"

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Version 2, June 1991

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```
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1.172 python-setuptools 39.0.1-2

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1.173 cas-server-core-api-authentication 5.2.0

1.174 docker-java 3.0.14
1.175 sysv-init 2.88dsf-59.10ubuntu1

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This package contains the mechanism for executing the right scripts in the right order at bootup/shutdown time, and when changing runlevels. It works through managing symlinks in /etc/rc?.d

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http://alioth.debian.org/projects/pkg-sysvinit

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Init was written by Miquel van Smoorenburg <miquels@cistron.nl>.

This package was first put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support. In version 2.85 the package was split into three (sysvinit, sysv-rc, and initscripts) in order to make room for alternative rc mechanisms.

The upstream source is available at:

Primary-Site: ftp.cistron.nl /pub/people/miquels/software
              92K sysvinit-2.86.tar.gz
Alternate-Site: sunsite.unc.edu /pub/Linux/system/daemons/init
                92K sysvinit-2.86.tar.gz

Send patches to sysvinit-devel@nongnu.org.

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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).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
* public domain.

1.176 swagger 1.5.20

1.177 evo-inflector 1.2.2

1.178 spring-cloud-config-client 1.3.3

1.179 pinentry 1.1.0 1
1.179.1 Available under license :

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1.180 epel-release 7 10

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1.181 cassandra-driver-mapping 3.5.0

1.182 persistence-api 1.0.0

1.183 mpclib 1.1.0-1

1.184 python-cryptography 2.1.4 1ubuntu1.2

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1.185 jersey-common 2.27

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1.201 ehcache 2.4.4
1.202 bsdmainutils 11.1.2ubuntu1

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Then the package has been maintained by Charles Briscoe-Smith <cpbs@debian.org>. I gathered data for the 1999-2001 calendar files from various sources on the Internet, and I’d also like to thank Oliver Elphick, Julian Gilbey, Daniel Martin and Jaldhar H. Vyas for providing much useful data on the various religious calendars. I have edited the files they provided to fit calendar's requirements, so any errors should be attributed to me.

After cpbs@debian.org, Marco d'Itri <md@linux.it> maintained it for almost two years, before Tollef Fog Heen <tfheen@debian.org> took over. The package is now maintained by Graham Wilson <bob@decoy.wox.org>.

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1.203 libnfnetlink 1.0.1 3

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src/arc4random_unix.h
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src/getentropy_bsd.c
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1.207 protobuf-java 3.4.0

1.208 httpcomponents-mime 4.5.9
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1.209 xnio-api 3.3.8

1.210 tyrus-websocket-core 1.2.1
1.210.1 Available under license :

    cat tyrus-websocket-core-1.2.1-sources-2/org/glassfish/tyrus/websockets/Base64Utils.java

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cat tyrus-websocket-core-1.2.1-sources-2/org/glassfish/tyrus/websockets/WebSocketApplication.java

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^L

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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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^L
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subsequent copies and derivative works made from that copy.

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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.)

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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.

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
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a) Accompany the combined library with a copy of the same work
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Also add information on how to contact you by electronic and paper
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You should also get your employer (if you work as a programmer) or
your
school, if any, to sign a "copyright disclaimer" for the library, if
necessary. Here is a sample; alter the names:

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

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

That's all there is to it!
This package was debianized by Jean Pierre LeJacq
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt
<martin@piware.de> was the package's maintainer up to version
2.7.19-1. The current maintainer is Jan Dittberner
<jandd@debian.org>.
It was downloaded from http://sourceforge.net/projects/cracklib

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

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Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

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. Cracklib's license was changed from the GPL to the LGPL after
consensus of all previous developers in October 2008, effective with
release 2.8.15 released on 2009-11-19. See the email discussion below
for both license changes.

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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
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=20
eir=20
applications are also GPL-2 which imo is just wrong. it isn't the place of =20
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.
=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
=20
------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li... [mailto:cracklib-devel-bounces@li...]
> On Behalf Of Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
> >=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
> directly
> > and see if he wants to relicense his code as LGPL... but at this
> > point,
> > > it was enough to just get it consistent and documented as to what
> > it was
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> > >=20
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> > > GPL-2 ... it was a modified artistic license ... i didnt notice the
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> > >=20
> > > unlike the old license, GPL-2 prevents people from using cracklib
> > > unless their
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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
I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

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

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL....

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

I am sympathetic. Guys, what do you reckon?

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

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

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

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

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

Yes, go for it. Thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:

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> > make the change now?
> >
> > yes, go for it. thanks++

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

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

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

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

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

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
  by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
  by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtpr020623
  for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
  by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
  for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
  by rutherford.zen.co.uk with esmtp (Exim 4.50)
  id 11cOcX-0004Qt-6L
> > ---------- Forwarded message ----------
> > From: Neulinger, Nathan <nneul@umr.edu>
> > Date: Sep 27, 2007 2:58 PM
> > Subject: RE: cracklib license
> > To: alecm@crypto.dircon.co.uk
> >
> > Any chance you could write me a self-contained email stating clearly
> > that the license is being changed to GPL, so I could include that
> > email
> > in the repository and clean up the repository/tarballs? I have all the
> > original discussion, but something succinct and self contained
> > would be
> > ideal.
> 
> The license for my code in the Cracklib distribution is henceforth GPL.
> 
> Happy now? :-)
> 
> -a
> 
> ----------
> 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.
Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33
Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly

> ----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
> =20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> =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

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=20
eir applications are also GPLv2 which imo is just wrong. it isn't the place of =20
library to dictate to application writes what license they should be using.==20
thus LGPLv2.1 enters to fill this void.

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
=20
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Nathan Neulinger EMail: nneul@um...
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> From: cracklib-devel-bounces@li...
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> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
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> > directly
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>=20  
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> place of a  
> library to dictate 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  
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> 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
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> >
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> > linked with any code, not just GPL....

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

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

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
  by scanim-ipv6.21.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
  by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
  for <nneul@umr.edu>; Mon, 01 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
  by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
  for <nneul@neulinger.org>; Mon, 01 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
  by rutherford.zen.co.uk with esmtp (Exim 4.50)
  id 11cOcX-0004Qt-6L
  for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> > ---------- Forwarded message ----------
> > From: Neulinger, Nathan <nneul@umr.edu>
> > Date: Sep 27, 2007 2:58 PM
> > Subject: RE: cracklib license
> > To: alecm@crypto.dircon.co.uk
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> > Any chance you could write me a self-contained email stating clearly
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> > original discussion, but something succinct and self contained
> > would be
> > ideal.
>
> The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-) 

-a

1.213 gzip 1.6 5ubuntu1
1.213.1 Available under license :
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007

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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.

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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.

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5. Conveying Modified Source Versions.

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

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

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

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

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

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

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

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

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

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1.219 cas server support jdbc drivers 5.2.0

1.220 jackson-jaxrs-json-provider 2.6.4

1.220.1 Available under license :

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### 1.221 spring-web-mvc 5.0.5

### 1.222 accessors-smart 1.1

### 1.223 language-selector 0.188.3

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- **Upstream-Name**: language-selector
- **Upstream-Maintainer**: Arne Goetje <arne@ubuntu.com>
- **Upstream-Source**: https://code.launchpad.net/~ubuntu-core-dev/language-selector/ubuntu

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1.225 spring-boot-starter-jdbc 2.1.4

1.226 pygobject 3.26.1 2ubuntu1
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Before building Xerces, you need the source package and tools
package available from the Apache XML Project's distribution web page:

http://xml.apache.org/dist/xerces-j/

Download both the Xerces-J-src.X.Y.Z.zip and Xerces-J-tools.X.Y.Z.zip files for the appropriate Xerces release (where "X.Y.Z" is the version number) and extract them in the same directory. If you are using Unix, download the equivalent .tar.gz files instead of the .zip files.

You also need to have a Java Development Kit (JDK) version 1.2 (or higher) installed on your system. Before initiating any part of the build, set the JAVA_HOME environment variable to the installation directory of your JDK.

The Ant program is used to build everything in Xerces, including the documentation. This tool, and the others needed (besides the pre-requisite JDK) are contained within the tools package. To make building the packages easier, a Windows batch file and a Unix shell script are included.

If you only want to compile the source code and make the JAR files, run the following command on Windows:

    build.bat jars

or from Unix (make sure that build.sh is executable):

    build.sh jars

This will compile all of the source code and generate the JAR files that are available as part of the binary package. After building, these files will be located in the build/ directory.

If you want to build everything, including the documentation, run the build batch file (or shell script) specifying the "all" target instead of "jars".

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1.237 spring-jcl 5.1.6
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 */

package org.apache.commons.logging;

/**
 * A simple logging interface abstracting logging APIs. In order to be
instantiated successfully by \{ @link LogFactory \}, classes that implement
this interface must have a constructor that takes a single String
parameter representing the "name" of this Log.

The six logging levels used by \{code\}Log\{code\} are (in order):

- trace (the least serious)
- debug
- info
- warn
- error
- fatal (the most serious)

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.

@since 5.0

public interface Log {

/**
 * Is fatal logging currently enabled?
 *.@return true if fatal is enabled in the underlying logger.
 */
boolean isFatalEnabled();

/**
 * Is error logging currently enabled?
 * <p>Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> 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, <code>String</code> 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, <code>String</code> 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, <code>String</code> 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, <code>String</code> 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
 * @param t log this cause
 */
void fatal(Object message, Throwable t);

/**
 * Logs a message with error log level.
 * @param message log this message
 */
void error(Object message);

/**
 * Logs an error with error log level.
 * @param message log this message
 * @param t log this cause
 */
void error(Object message, Throwable t);

/**
 * Logs a message with warn log level.
 * @param message log this message
 */
void warn(Object message);

/**
 * Logs an error with warn log level.
 * @param message log this message
 * @param t log this cause
 */
void warn(Object message, Throwable t);

/**
 * Logs a message with info log level.
 * @param message log this message
 */
void info(Object message);

/**
 * Logs an error with info log level.
 * @param message log this message
 */
* @param t log this cause
*/
void info(Object message, Throwable t);

/**
 * Logs a message with debug log level.
 * @param message log this message
 */
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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That's all there is to it!
/* _setjmp is implemented in setjmp.S */

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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

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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/\(^.*\)\(.*\)\(.*\)/\1.o \2 .o $@ \3 > $@;\n[ -s $@ ] || rm -f $@'"

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@(SHELL) -ec '$(GEN_DEPS.cc) $< \\
| sed '"s/\(^.*\)\(.*\)\(.*\)/\1.o \2 .o $@ \3 > $@;\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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@item
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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 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 root function must still compute square roots.)

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^L
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.

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TERMS AND CONDITIONS

0. Definitions.

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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.

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

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

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1.249 undertow-websockets-jsr 1.4.23

1.250 log4j-over-slf4j 1.7.26

1.251 kerberos 1.16 2ubuntu0.1

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
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
kprop/kproplog.c

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in ``src/lib/gssapi``, including the following files:

.. parsed-literal::

   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
and the initial implementation of incremental propagation, including
the following new or changed files:

.. parsed-literal::

    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
    kprop/kproplog.c

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
`src/lib/gssapi` include the following files:

```
lib/gssapi/generic/gssapi_err_generic.c
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
```
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
- kprop/kpropd_rpc.c
- kprop/kpropd_rpc.h

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/*

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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mec/ch/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mec/h/spnego_mec.h
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
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lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
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lib/libgss/g_export_name.c
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.. _mitK5license:

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

.. toctree::

   :hidden:
import os
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')
eelif code_seen:
    warn(fname, ln, 'License after code')
eelif 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())

    if not in_comment and '/-*' in line:
        ln += 1
        (line, sep, comment_part) = line.partition('/-*')
        comment = [comment_part.strip()]
        ln += 1

    if 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())
        ln += 1
        is_license = check_comment(comment, fname, comment_starts_at,
                                   code_seen, nonlicense_seen)

    if is_license:
        nonlicense_seen = nonlicense_seen or not is_license
        in_comment = False
    else:
        in_comment = True

    if in_comment:
        nonlicense_seen = nonlicense_seen or not is_license
        in_comment = False

        if code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
            break
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()
    check_file(lines, fname)

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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
                        || (permission instanceof ClusterPermission);

        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        if (permissions instanceof ClusterPermissionCollection) {
            for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
                add(p);
            }
        } else {
            for (Permission p : permissions) {
                add(p);
            }
        }
    }

    // Other methods...
}
public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}
package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        }
    }
}
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}

return mask;

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    public final class AllPermissions {

        public AllPermissions() {
            super("<all permissions>");
        }

        @Override
        public boolean implies(Permission permission) {
            return true;
        }
    }
}
@Override
public String getActions() {
    return "<all actions>";
}

@Override
public PermissionCollection newPermissionCollection() {
    return new AllPermissionsCollection();
}

@Override
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }
}
@Override
public Enumeration<Permission> elements() {
    boolean more = all;

    @Override
    public boolean hasMoreElements() {
        return more;
    }

    @Override
    public Permission nextElement() {
        more = false;
        return ALL_PERMISSIONS;
    }
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}

/*
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 */
package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

  private static final int PUT = 4;
  private static final int REMOVE = 8;
  private static final int READ = 16;
  private static final int LISTEN = 32;
  private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

  public CachePermission(String name, String... actions) {
    super(name, actions);
  }

  @Override
  protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
      if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
      }

      if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
      } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
      } else if (ActionConstants.ACTION_PUT.equals(action)) {
        mask |= PUT;
      } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
      } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
      } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
      }
    }
    return mask;
  }
}
return mask;

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 */

package com.hazelcast.security.permission;

public class ReplicatedMapPermission
    extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}

return mask;
}
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";

    private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String,
        PermissionFactory>();

    static {
        PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new QueuePermission(name, actions);
            }
        });
    }
}
PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MultiMapPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ListPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SetPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});
private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {
private static final int PUBLISH = 4;
private static final int LISTEN = 8;
private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

public TopicPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
            mask |= PUBLISH;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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/************************************************************************
package com.hazelcast.security.permission;
public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}

package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}

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 */
mask |= DESTROY;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
  mask |= LOCK;
} else if (ActionConstants.ACTION_READ.equals(action)) {
  mask |= READ;
}
}
return mask;
}
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*/

package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

  public TransactionPermission() {
    super("<transaction>");
  }

  @Override
  public boolean implies(Permission permission) {
    return getClass() == permission.getClass();
  }

  @Override
  public String getActions() {
    return "transaction";
  }

  /*
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  */
package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }
}
mask |= LISTEN;
}
}
return mask;
}
}

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*/

package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            }
            if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
            if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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    * limitations under the License.
    */

    package com.hazelcast.security.permission;

    public class ListPermission extends InstancePermission {

        private static final int ADD = 4;
        private static final int READ = 8;
        private static final int REMOVE = 16;
        private static final int LISTEN = 32;
        private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

        public ListPermission(String name, String... actions) {
            super(name, actions);
        }

        @Override
        protected int initMask(String[] actions) {
            int mask = NONE;
            for (String action : actions) {
                if (ActionConstants.ACTION_ALL.equals(action)) {
                    return ALL;
                }
                if (ActionConstants.ACTION_CREATE.equals(action)) {
mask |= CREATE;
} else if (ActionConstants.ACTION_ADD.equals(action)) {
    mask |= ADD;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}

return mask;
}

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashcode;

    public ClusterPermission(String name) {
        super(name);
    }

    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

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     */
@Override
public int hashCode() {
    if (hashcode == 0) {
        final int prime = 31;
        int result = 1;
        if (getName() == null) {
            result = prime * result + 13;
        } else {
            result = prime * result + getName().hashCode();
        }
        hashcode = result;
    }
    return hashcode;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    ClusterPermission other = (ClusterPermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    return true;
}

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 * distributed under the License is distributed on an "AS IS" BASIS,
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }

    @Override
    public int hashCode() {
        return 37;
    }

    @Override
    public String toString() {
        return "<deny all permissions>";
    }
}
@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}
}

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 */

package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        return mask;
    }
}

return mask;
}
}
/*
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*/
package com.hazelcast.security.permission;
import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;
import java.security.Permission;
/**
* @TODO Object Permission
*/
public abstract class InstancePermission extends ClusterPermission {
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();

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for (String action : actions) {
    s.append(action).append(" ");
}
this.actions = s.toString();
}

/**
 * init mask
 */
protected abstract int initMask(String[] actions);

@Override
public boolean implies(Permission permission) {
    if (this.getClass() != permission.getClass()) {
        return false;
    }
    InstancePermission that = (InstancePermission) permission;
    boolean maskTest = ((this.mask & that.mask) == that.mask);
    if (!maskTest) {
        return false;
    }
    return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
}
if (getClass() != obj.getClass()) {
    return false;
}
InstancePermission other = (InstancePermission) obj;
if (getName() == null && other.getName() != null) {
    return false;
}
if (!getName().equals(other.getName())) {
    return false;
}
if (mask != other.mask) {
    return false;
}
return true;
}

package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override

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     */

}
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
            mask |= ACQUIRE;
        } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
            mask |= RELEASE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;

class ExecutorServicePermission extends InstancePermission { }
public class RingBufferPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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     */

    package com.hazelcast.security.permission;

    public class RingBufferPermission extends InstancePermission {
        private static final int PUT = 4;
        private static final int READ = 8;
        private static final int ALL = PUT | READ;

        public RingBufferPermission(String name, String... actions) {
            super(name, actions);
        }

        @Override
        protected int initMask(String[] actions) {
            int mask = NONE;
        }
    }
for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_PUT.equals(action)) {
        mask |= PUT;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    }
}
return mask;
}

package com.hazelcast.security.permission;

class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }
}
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {
    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}

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 */

package com.hazelcast.security.permission;
package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
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file_io/unix/mktemp.c, strings/apr_strings.c:

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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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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From strings/apr_snprintf.c:

* cvt - IEEE floating point formatting routines.
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  *

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1.263 expat 2.2.5 3ubuntu0.1

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1.264 postgre-sql 11.4 r1

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This authentication method operates similarly to
<code class="literal">password</code> except that it uses BSD Authentication
to verify the password. BSD Authentication is used only
to validate user name/password pairs. Therefore the user's role must
already exist in the database before BSD Authentication can be used
for authentication. The BSD Authentication framework is currently
only available on OpenBSD.

BSD Authentication in <span class="productname">PostgreSQL</span> uses
the <code class="literal">auth-postgresql</code> login type and authenticates with
the <code class="literal">postgresql</code> login class if that's defined
in <code class="filename">login.conf</code>. By default that login class does not
exist, and <code class="filename">login.conf</code> will use the default login class.

To use BSD Authentication, the PostgreSQL user account (that is, the
operating system user running the server) must first be added to
the <code class="literal">auth</code> group. The <code class="literal">auth</code> group
exists by default on OpenBSD systems.
I'd appreciate being given credit for this package in the documentation of software which uses it, but that is not a requirement.

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Notice and warning messages generated by the server are not returned
by the query execution functions, since they do not imply failure of
the query. Instead they are passed to a notice handling function, and
execution continues normally after the handler returns. The default
notice handling function prints the message on
<code class="filename">stderr</code>, but the application can override this
behavior by supplying its own handling function.
</p><p>
For historical reasons, there are two levels of notice handling, called
the notice receiver and notice processor. The default behavior is for
the notice receiver to format the notice and pass a string to the notice
processor for printing. However, an application that chooses to provide
its own notice receiver will typically ignore the notice processor
layer and just do all the work in the notice receiver.
</p><p>
The function <code class="function">PQsetNoticeReceiver</code>
sets or examines the current notice receiver for a connection object.
Similarly, <code class="function">PQsetNoticeProcessor</code> sets or examines the current notice processor.
</p><p>
</p><pre class="synopsis">
typedef void (*PQnoticeReceiver) (void *arg, const PGresult *res);
PQnoticeReceiver
PQnoticeReceiver(PGconn *conn,
        PQnoticeReceiver proc,
        void *arg);

typedef void (*PQnoticeProcessor) (void *arg, const char *message);
PQnoticeProcessor
PQnoticeProcessor(PGconn *conn,
        PQnoticeProcessor proc,
        void *arg);
</pre>
</p><p>
Each of these functions returns the previous notice receiver or
processor function pointer, and sets the new value. If you supply a
null function pointer, no action is taken, but the current pointer is
returned.
</p><p>
When a notice or warning message is received from the server, or
generated internally by <span class="application">libpq</span>, the notice receiver function is called. It is passed the message in the form of
a <code class="symbol">PGRES_NONFATAL_ERROR</code>
<code class="structname">PGresult</code>. (This allows the receiver to extract individual fields using <code class="function">PQresultErrorField</code>, or obtain a complete preformatted message using <code class="function">PQresultErrorMessage</code> or <code class="function">PQresultVerboseErrorMessage</code>.) The same void pointer passed to <code class="function">PQsetNoticeReceiver</code> is also passed. (This pointer can be used to access application-specific state if needed.)

The default notice receiver simply extracts the message (using <code class="function">PQresultErrorMessage</code>) and passes it to the notice processor.

The notice processor is responsible for handling a notice or warning message given in text form. It is passed the string text of the message (including a trailing newline), plus a void pointer that is the same one passed to <code class="function">PQsetNoticeProcessor</code>. (This pointer can be used to access application-specific state if needed.)

The default notice processor is simply:

```c
static void
defaultNoticeProcessor(void *arg, const char *message)
{
    fprintf(stderr, "\%s", message);
}
```

Once you have set a notice receiver or processor, you should expect that that function could be called as long as either the <code class="structname">PGconn</code> object or <code class="structname">PGresult</code> objects made from it exist. At creation of a <code class="structname">PGresult</code>, the <code class="structname">PGconn</code>'s current notice handling pointers are copied into the <code class="structname">PGresult</code> for possible use by functions like <code class="function">PQgetvalue</code>. 

1.265 iptables 1.8.2 4
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===============================================================================

The initial code for shuffling an array (originally in class "org.apache.commons.math3.random.RandomDataGenerator", now replaced by a method in class "org.apache.commons.math3.util.MathArrays") was
inspired from the algorithm description provided in "Algorithms", by Ian Craw and John Pulham (University of Aberdeen 1999). The textbook (containing a proof that the shuffle is uniformly random) is available here:

http://citeseerx.ist.psu.edu/viewdoc/download;?doi=10.1.1.173.1898&rep=rep1&type=pdf

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1.270 tdb 1.44.1 1ubuntu1.1

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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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 Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

---

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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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repository from the development branch, please contact me
(tytso@mit.edu) before you ship. The release schedules for this
package are flexible, if you give me enough lead time.

Theodore T's'o
23-June-2007

-------------------------------------------------------------------

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

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

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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)
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1.271 supervisor 3.3.1 1.1

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1.273 python 3.6.7 1~18.04

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Python was created in the early 1990s by Guido van Rossum at Stichting
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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
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://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 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 team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). 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 is a sponsoring member of the PSF.

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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
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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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----------
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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
---------------

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-------

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package javax.mail;

import java.io.Serializable;

/**
 * This abstract class models the addresses in a message. Subclasses provide specific implementations. Subclasses will typically be serializable so that (for example) the use of Address objects in search terms can be serialized along with the search terms.
 * @author John Mani
 * @author Bill Shannon
 */

public abstract class Address implements Serializable {

    private static final long serialVersionUID = -5822459626751992278L;

    /**
     * Return a type string that identifies this address type.
     *
     * @return address type
     * @see javax.mail.internet.InternetAddress
     */
    public abstract String getType();

    /**
     * Return a String representation of this address object.
     *
     * @return string representation of this address
     */
    public abstract String toString();

    /**
     * The equality operator. Subclasses should provide an implementation of this method that supports value equality (do the two Address objects represent the same destination?), not object reference equality. A subclass must also provide a corresponding implementation of the <code>equals</code> and <code>hashCode</code> method that preserves the general contract of <code>equals</code> and <code>hashCode</code> - objects that compare as equal must have the same hashCode.
     *
     * @param address Address object
     */
}
public abstract boolean equals(Object address);
}

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1.289 netcat-openbsd 1.187-1ubuntu0.1

1.290 conntrack-tools 1.4.4 r0

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1.291 curl 7.58.0 2ubuntu3.6

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

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## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

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### 1.292 enum34 1.1.6-2

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1.293 hazelcast-client-protocol 1.3.3

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 */

package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

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     */
public MapPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }
    return mask;
}

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 */
package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

  private static final int ADD = 4;
  private static final int READ = 8;
  private static final int REMOVE = 16;
  private static final int LISTEN = 32;
  private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

  public QueuePermission(String name, String... actions) {
    super(name, actions);
  }

  @Override
  protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
      if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
      }

      if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
      } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
      } else if (ActionConstants.ACTION_ADD.equals(action)) {
        mask |= ADD;
      } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
      } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
      } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
      }
    }
    return mask;
  }

} /*
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package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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     */
}
package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

    @Override
    public String toString() {
        return "<allow all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof AllPermissions;
    }

    @Override
    public int hashCode() {
public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            boolean more = all;

            @Override
            public boolean hasMoreElements() {
                return more;
            }

            @Override
            public Permission nextElement() {
                more = false;
                return ALL_PERMISSIONS;
            }
        };
    }

    @Override
    public int hashCode() {
        return all ? 13 : -13;
    }
}
@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
}

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*
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;
public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
            || (permission instanceof ClusterPermission);

        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        if (permissions instanceof ClusterPermissionCollection) {
            for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
                add(p);
            }
        }
    }

    public boolean implies(Permission permission) {
        for (Permission p : perms) {
            if (p.implies(permission)) {
                return true;
            }
        }
        return false;
    }

    public void compact() {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
    }
}
final Iterator<Permission> iter = perms.iterator();
while (iter.hasNext()) {
    final Permission perm = iter.next();
    boolean implies = false;
    for (Permission p : perms) {
        if (p != perm && p.implies(perm)) {
            implies = true;
            break;
        }
    }
    if (implies) {
        iter.remove();
    }
}
setReadOnly();

public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}

package com.hazelcast.security.permission;
public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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     */

    /**
     * Contains all the security permissions
     */
    package com.hazelcast.security.permission;
package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
                mask |= ACQUIRE;
            } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
                mask |= RELEASE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
mask |= READ;
}
}
return mask;
}
}
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*/

package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

private static final int PUBLISH = 4;
private static final int LISTEN = 8;
private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

public TopicPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        } else if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
            mask |= PUBLISH;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}
else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}

return mask;

package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }

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     */

    package com.hazelcast.security.permission;
public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }

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     */
package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

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 */

package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        
    }
}
super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
    return mask;
}

package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;

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    */

    package com.hazelcast.security.permission;

    public class ListPermission extends InstancePermission {

        private static final int ADD = 4;
        private static final int READ = 8;
        private static final int REMOVE = 16;
        private static final int LISTEN = 32;

        /*
private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

public ListPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_ADD.equals(action)) {
            mask |= ADD;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;
import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;
import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";

    public static final String LISTENER_INSTANCE = "instance";
    public static final String LISTENER_MEMBER = "member";
    public static final String LISTENER_MIGRATION = "migration";

    private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();
}
static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SetPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new AtomicLongPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new CountDownLatchPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SemaphorePermission(name, actions);
        }
    });
}
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});
private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: "+serviceName);
    }

    return permissionFactory.create(name, actions);
}
package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {
  public SetPermission(String name, String... actions) {
    super(name, actions);
  }
}

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {
  private int hashCode;

  public ClusterPermission(String name) {
    super(name);
  }

  public PermissionCollection newPermissionCollection() {
    return new ClusterPermissionCollection(getClass());
  }

  @Override
  public int hashCode() {
    return super.hashCode();
  }
}

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {
  private int hashCode;

  public ClusterPermission(String name) {
    super(name);
  }

  public PermissionCollection newPermissionCollection() {
    return new ClusterPermissionCollection(getClass());
  }

  @Override
  public int hashCode() {
    return super.hashCode();
  }
}
if (hashcode == 0) {
    final int prime = 31;
    int result = 1;
    if (getName() == null) {
        result = prime * result + 13;
    } else {
        result = prime * result + getName().hashCode();
    }
    hashcode = result;
}
return hashcode;

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    ClusterPermission other = (ClusterPermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    return true;
}

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 */
package com.hazelcast.security.permission;

public class ReplicatedMapPermission
    extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }
        return mask;
    }
}
}
return mask;
}
}
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*/
package com.hazelcast.security.permission;
import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;
import java.security.Permission;
/**
* @TODO Object Permission
*/
public abstract class InstancePermission extends ClusterPermission {
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);

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final StringBuilder s = new StringBuilder();
for (String action : actions) {
    s.append(action).append(" ");
}
this.actions = s.toString();

/**
 * init mask
 */
protected abstract int initMask(String[] actions);

@Override
public boolean implies(Permission permission) {
    if (this.getClass() != permission.getClass()) {
        return false;
    }

    InstancePermission that = (InstancePermission) permission;

    boolean maskTest = ((this.mask & that.mask) == that.mask);
    if (!maskTest) {
        return false;
    }

    return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }

    if (obj instanceof Permission) {
        Permission other = (Permission) obj;
        if (this.getClass() != other.getClass()) {
            return false;
        }

        return (this.mask & other.mask) == other.mask;
    }

    return false;
}
if (getClass() != obj.getClass()) {
    return false;
}

InstancePermission other = (InstancePermission) obj;
if (getName() == null && other.getName() != null) {
    return false;
}
if (!getName().equals(other.getName())) {
    return false;
}
if (mask != other.mask) {
    return false;
}
return true;
}

package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {

    }
}
int mask = NONE;
for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    }
}
return mask;
}

package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }
}
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;
import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;
public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }

    @Override
    public int hashCode() {
        return 37;
    }

    @Override
    public String toString() {
        return "<deny all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof DenyAllPermissionCollection;
    }
}

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*/

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
1.294 netty 4.1.12

1.294.1 Available under license:

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### 1.296 datatables-plugins 1.10.15

### 1.297 linux-atm 2.5.1 2

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Linus Torvalds

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1.300 springfox-swagger-common 2.9.2

1.301 geo-ip 1.5.0 11.el7

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1.304 spring-boot-starter-web 1.5.8
1.305 command-not-found 18.04.5

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It was downloaded via bzr from
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1.306 libarchive 3.2.2 3.1ubuntu0.4

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1.308 apparmor 2.12-4ubuntu5.1

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1.310 person-directory-impl 1.8.5

1.311 netty-handler-proxy 4.1.14

1.312 spew 1.5.2 0.7.git269f928.el7

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1.313 gnu-tls 3.6.7 4

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##
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1.314 cglomer-nodep 2.1_3

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1.315 classmate 1.3.4

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Other developers who have contributed code are:

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1.316 jsonpath-assert 2.2.0

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*/

package com.jayway.jsonassert.impl.matcher;

import org.hamcrest.BaseMatcher;
import java.util.Collection;

public abstract class CollectionMatcher<C extends Collection<?>> extends BaseMatcher<C> {
    @SuppressWarnings("unchecked")
    public boolean matches(Object item) {
        if (!(item instanceof Collection)) {
            return false;
        }
        return matchesSafely((C)item);
    }

    protected abstract boolean matchesSafely(C collection);
}

1.317 jackson 2.6.4

1.318 gnupg 2.1.18 8~deb9u4
1.318.1 Available under license :

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#*-. org -*.-
#*+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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Version 3, 29 June 2007

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1.320 cas server core api events 5.2.0

1.321 gcc 9.2.1 9ubuntu2~18.04.1

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DRuntime: Runtime Library for the D Programming Language
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Version 3.1, 31 March 2009

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

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

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

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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
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1.332 open-ssl 1.0.2p

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5.2.0

1.334 linux-signed 4.15.0 65.74
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1.335 udev 237 3ubuntu10.29

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clear directions next to the object code saying where to find the
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1.350 swagger-annotations 1.5.20

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 */

package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 */
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

```
*/
String name();

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
String url() default "";
}

1.351 zlib 3.1.2 2.1ubuntu1
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1.352 caddy 0.9.4
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1.353 netty-buffer 4.1.22

1.354 netty-handler 4.1.17

1.355 jnr-constants 0.9.8

1.356 spring-data-jpa 2.1.6

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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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This is free software, and you are welcome to redistribute it
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The hypothetical commands `show w' and `show c' should show the
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You should also get your employer (if you work as a programmer) or your
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<signature of Ty Coon>, 1 April 1989
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--------------------------------------------------------------------------

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

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
#!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) = $output =~ '/copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$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\n  Module-Build mailing list at <module-build@perl.org>."
buildRequires:
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

1.358 popt 1.13 16.el7
1.358.1 Available under license:
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1.359 log4j-api 2.9.1
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 DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
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REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
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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 wrpjgcom.
*.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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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 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 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
====================

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
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.
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.

1.364 cas server core services registry 5.2.0

1.365 hibernate hikaricp 5.2.11

1.365.1 Available under license :

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Version 2.1, February 1999

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1.371 swagger-annotations 1.5.20
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import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 */

String name();

/**
 * An optional URL for the license.
 */

String url() default "";

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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source
code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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<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
Ty Coon, President of Vice

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1.380 keyutils 1.5.9 9.2ubuntu2

1.380.1 Available under license:

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Version 2.1, February 1999

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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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   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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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.

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

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

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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
SHAREDLIBCXXPFLAGS = -fPIC
```

### Additional flags when building libraries and with threads

```
THREADSCPPFLAGS = -D_REENTRANT
LIBCXXPFLAGS =
```

### 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

%.O: $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<

%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.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
1.383 tcp-wrapper 7.6 77.el7
1.383.1 Available under license :

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1.384 hibernate-jpa 1.0.0

1.385 systemd 237 3ubuntu10.29
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*/

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to attach them to the start of each source file to most effectively
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`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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1.391 spring-boot-starter-data-rest 2.1.4

1.392 icnv 2.24 11+deb9u4

1.392.1 Available under license:

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

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

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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.

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

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

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1.397 cas server support token tickets 5.2.0

1.398 snake-yaml 1.23

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1.400 libcap 219 30.el7_3.9
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The original XML Schemas for Java EE Deployment Descriptors:
- javaee_5.xsd
- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
- web-app_4_0.xsd
- web-common_4_0.xsd
- web-fragment_4_0.xsd

may be obtained from:

1.404 jetcd-core 0.0.1
1.404.1 Available under license:
   // Generated by the protocol buffer compiler. DO NOT EDIT!
   // source: auth.proto

   package com.coreos.jetcd.api;

   /**
    * <pre>
    * Permission is a single entity
    * </pre>
    *
    * Protobuf type {@code auth.pb.Permission}
    */
public final class Permission extends com.google.protobuf.GeneratedMessageV3 implements // @@protoc_insertion_point(message_implements:authpb.Permission)
PermissionOrBuilder {
// Use Permission.newBuilder() to construct.
  super(builder);
}
private Permission() {
  permType_ = 0;
  key_ = com.google.protobuf.ByteString.EMPTY;
  rangeEnd_ = com.google.protobuf.ByteString.EMPTY;
}

@java.lang.Override
public final com.google.protobuf.UnknownFieldSet getUnknownFields() {
  return com.google.protobuf.UnknownFieldSet.getDefaultInstance();
}
private Permission(
  com.google.protobuf.CodedInputStream input,
  com.google.protobuf.ExtensionRegistryLite extensionRegistry)
  throws com.google.protobuf.InvalidProtocolBufferException {
  this();
  int mutable_bitField0_ = 0;
  try {
    boolean done = false;
    while (!done) {
      int tag = input.readTag();
      switch (tag) {
        case 0:
          done = true;
          break;
        default: {
          if (!input.skipField(tag)) {
            done = true;
          }
          break;
        }
        case 8: {
          int rawValue = input.readEnum();
          permType_ = rawValue;
          break;
        }
        case 18: {
          key_ = input.readBytes();
          break;
        }
      }
    }
  }
}
break;
}
case 26: {

rangeEnd_ = input.readBytes();
break;
}
}
}
} catch (com.google.protobuf.InvalidProtocolBufferException e) {
throw e.setUnfinishedMessage(this);
} catch (java.io.IOException e) {
throw new com.google.protobuf.InvalidProtocolBufferException(
    e).setUnfinishedMessage(this);
} finally {
    makeExtensionsImmutable();
}

public static final com.google.protobuf.Descriptors.Descriptor
getDescriptor() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
    internalGetFieldAccessorTable() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable
        .ensureFieldAccessorsInitialized(
            com.coreos.jetcd.api.Permission.class, com.coreos.jetcd.api.Permission.Builder.class);
}

/**
 * Protobuf enum @code authpb.Permission.Type
 */
public enum Type
    implements com.google.protobuf.ProtocolMessageEnum {
/**
 * <code>READ = 0;</code>
 */
READ(0),
/**
 * <code>WRITE = 1;</code>
 */
WRITE(1),
/**
 * <code>READWRITE = 2;</code>
 */
READWRITE(2),
UNRECOGNIZED(-1),
/**
 * <code>READ = 0;</code>
 */
public static final int READ_VALUE = 0;

/**
 * <code>WRITE = 1;</code>
 */
public static final int WRITE_VALUE = 1;

/**
 * <code>READWRITE = 2;</code>
 */
public static final int READWRITE_VALUE = 2;

public final int getNumber() {
    if (this == UNRECOGNIZED) {
        throw new java.lang.IllegalArgumentException(
            "Can't get the number of an unknown enum value.");
    }
    return value;
}

/**
 * @deprecated Use {@link #forNumber(int)} instead.
 */
@java.lang.Deprecated
public static Type valueOf(int value) {
    return forNumber(value);
}

public static Type forNumber(int value) {
    switch (value) {
    case 0: return READ;
    case 1: return WRITE;
    case 2: return READWRITE;
    default: return null;
    }
}

public static com.google.protobuf.Internal.EnumLiteMap<Type>
    internalGetValueMap() {
    return internalValueMap;
}

private static final com.google.protobuf.Internal.EnumLiteMap<Type>
    internalValueMap =
    new com.google.protobuf.Internal.EnumLiteMap<Type>() {
    }

public Type findValueByNumber(int number) {
    return Type.forNumber(number);
}

public final com.google.protobuf.Descriptors.EnumValueDescriptor getValueDescriptor() {
    return getDescriptor().getValues().get(ordinal());
}

public final com.google.protobuf.Descriptors.EnumDescriptor getDescriptorForType() {
    return getDescriptor();
}

public static final com.google.protobuf.Descriptors.EnumDescriptor getDescriptor() {
    return com.coreos.jetcd.api.Permission.getDescriptor().getEnumTypes().get(0);
}

private static final Type[] VALUES = values();

public static Type valueOf(
    com.google.protobuf.Descriptors.EnumValueDescriptor desc) {
    if (desc.getType() != getDescriptor()) {
        throw new java.lang.IllegalArgumentException(
            "EnumValueDescriptor is not for this type.");
    }
    if (desc.getIndex() == -1) {
        return UNRECOGNIZED;
    }
    return VALUES[desc.getIndex()];
}

private final int value;

private Type(int value) {
    this.value = value;
}

// @@protoc_insertion_point(enum_scope:authpb.Permission.Type)
}

public static final int PERMTYPE_FIELD_NUMBER = 1;
private int permType_;
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public int getPermTypeValue() {
    return permType_;
}
public com.coreos.jetcd.api.Permission.Type getPermType() {
    com.coreos.jetcd.api.Permission.Type result = com.coreos.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? com.coreos.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}

public static final int KEY_FIELD_NUMBER = 2;
private com.google.protobuf.ByteString key_;

public com.google.protobuf.ByteString getKey() {
    return key_;}

public static final int RANGE_END_FIELD_NUMBER = 3;
private com.google.protobuf.ByteString rangeEnd_;

public com.google.protobuf.ByteString getRangeEnd() {
    return rangeEnd_;}

private byte memoizedIsInitialized = -1;
public final boolean isInitialized() {
    byte isInitialized = memoizedIsInitialized;
    if (isInitialized == 1) return true;
    if (isInitialized == 0) return false;
    memoizedIsInitialized = 1;
    return true;
}

public void writeTo(com.google.protobuf.CodedOutputStream output)
    throws java.io.IOException {
    if (permType_ != com.coreos.jetcd.api.Permission.Type.READ.getNumber()) {
        output.writeEnum(1, permType_);
    }
    if (!key_.isEmpty()) {
        output.writeBytes(2, key_);
    }
    if (!rangeEnd_.isEmpty()) {
        output.writeBytes(3, rangeEnd_);
    }
public int getSerializedSize() {
    int size = memoizedSize;
    if (size != -1) return size;

    size = 0;
    if (permType_ != com.coreos.jetcd.api.Permission.Type.READ.getNumber()) {
        size += com.google.protobuf.CodedOutputStream
            .computeEnumSize(1, permType_);
    }
    if (!key_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(2, key_);
    }
    if (!rangeEnd_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(3, rangeEnd_);
    }
    memoizedSize = size;
    return size;
}

private static final long serialVersionUID = 0L;

@Override
public boolean equals(final java.lang.Object obj) {
    if (obj == this) {
        return true;
    }
    if (!(obj instanceof com.coreos.jetcd.api.Permission)) {
        return super.equals(obj);
    }
    com.coreos.jetcd.api.Permission other = (com.coreos.jetcd.api.Permission) obj;
    boolean result = true;
    result = result && permType_ == other.permType_;
    result = result && getKey().equals(other.getKey());
    result = result && getRangeEnd().equals(other.getRangeEnd());
    return result;
}

@Override
public int hashCode() {
    if (memoizedHashCode != 0) {
        return memoizedHashCode;
    }
    if (!obj instanceof com.coreos.jetcd.api.Permission)) {
        return super.hashCode();
    }
    com.coreos.jetcd.api.Permission other = (com.coreos.jetcd.api.Permission) obj;
    boolean result = true;
    result = result && permType_ == other.permType_;
    result = result && getKey().equals(other.getKey());
    result = result && getRangeEnd().equals(other.getRangeEnd());
    return result;
}

@Override
public int hashCode() {
    if (memoizedHashCode != 0) {
        return memoizedHashCode;
    }
    return super.hashCode();
}
int hash = 41;
hash = (19 * hash) + getDescriptor().hashCode();
hash = (37 * hash) + PERMTYPE_FIELD_NUMBER;
hash = (53 * hash) + permType_;
hash = (37 * hash) + KEY_FIELD_NUMBER;
hash = (53 * hash) + getKey().hashCode();
hash = (37 * hash) + RANGE_END_FIELD_NUMBER;
hash = (53 * hash) + getRangeEnd().hashCode();
hash = (29 * hash) + unknownFields.hashCode();
memoizedHashCode = hash;
return hash;
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(byte[] data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}

public static com.coreos.jetcd.api.Permission parseFrom(byte[] data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(java.io.InputStream input)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3

public static com.coreos.jetcd.api.Permission parseFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
  return com.google.protobuf.GeneratedMessageV3
    .parseWithIOException(PARSER, input, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseDelimitedFrom(java.io.InputStream input)
    throws java.io.IOException {
  return com.google.protobuf.GeneratedMessageV3
    .parseDelimitedWithIOException(PARSER, input);
}
public static com.coreos.jetcd.api.Permission parseDelimitedFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
  return com.google.protobuf.GeneratedMessageV3
    .parseDelimitedWithIOException(PARSER, input, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.CodedInputStream input)
    throws java.io.IOException {
  return com.google.protobuf.GeneratedMessageV3
    .parseWithIOException(PARSER, input);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
  return com.google.protobuf.GeneratedMessageV3
    .parseWithIOException(PARSER, input, extensionRegistry);
}

public Builder newBuilderForType() { return newBuilder(); }
public static Builder newBuilder() {
  return DEFAULT_INSTANCE.toBuilder();
}
public static Builder newBuilder(com.coreos.jetcd.api.Permission prototype) {
  return DEFAULT_INSTANCE.toBuilder().mergeFrom(prototype);
}
public Builder toBuilder() {
  return this == DEFAULT_INSTANCE
    ? new Builder() : new Builder().mergeFrom(this);
}

@Override

protected Builder newBuilderForType(
    Builder builder = new Builder(parent);
    return builder;
}
/**
 * <pre>
 * Permission is a single entity
 * </pre>
 *
 * Protobuf type {@code authpb.Permission}
 */
public static final class Builder extends
    com.google.protobuf.GeneratedMessageV3.Builder<Builder> implements
    // @@protoc_insertion_point(builder_implements:authpb.Permission)
    com.coreos.jetcd.api.PermissionOrBuilder {
    public static final com.google.protobuf.Descriptors.Descriptor
        getDescriptor() {
        return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
    }
    protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
        internalGetFieldAccessorTable() {
        return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable
            .ensureFieldAccessorsInitialized(
                com.coreos.jetcd.api.Permission.class, com.coreos.jetcd.api.Permission.Builder.class);
    }
    // Construct using com.coreos.jetcd.api.Permission.newBuilder()
    private Builder() {
        maybeForceBuilderInitialization();
    }
    private Builder(
        super(parent);
        maybeForceBuilderInitialization();
    }
    private void maybeForceBuilderInitialization() {
        if (com.google.protobuf.GeneratedMessageV3
            .alwaysUseFieldBuilders) {
        }
    }
    public Builder clear() {
        super.clear();
        permType_ = 0;
        key_ = com.google.protobuf.ByteString.EMPTY;
    }
rangeEnd_ = com.google.protobuf.ByteString.EMPTY;

return this;
}

public com.google.protobuf.Descriptors.Descriptor
getDescriptorForType() {
return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

public com.coreos.jetcd.api.Permission getDefaultInstanceForType() {
return com.coreos.jetcd.api.Permission.getDefaultInstance();
}

public com.coreos.jetcd.api.Permission build() {
com.coreos.jetcd.api.Permission result = buildPartial();
if (!result.isInitialized()) {
throw newUninitializedMessageException(result);
}
return result;
}

public com.coreos.jetcd.api.Permission buildPartial() {
com.coreos.jetcd.api.Permission result = new com.coreos.jetcd.api.Permission(this);
result.permType_ = permType_; 
result.key_ = key_; 
result.rangeEnd_ = rangeEnd_; 
onBuilt();
return result;
}

public Builder clone() {
return (Builder) super.clone();
}

public Builder setField(com.google.protobuf.Descriptors.FieldDescriptor field, Object value) {
return (Builder) super.setField(field, value);
}

public Builder clearField(com.google.protobuf.Descriptors.FieldDescriptor field) {
return (Builder) super.clearField(field);
}

public Builder clearOneof(com.google.protobuf.Descriptors.OneofDescriptor oneof) {
return (Builder) super.clearOneof(oneof);
}
public Builder setRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    int index, Object value) {
    return (Builder) super.setRepeatedField(field, index, value);
}

public Builder addRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    Object value) {
    return (Builder) super.addRepeatedField(field, value);
}

public Builder mergeFrom(com.google.protobuf.Message other) {
    if (other instanceof com.coreos.jetcd.api.Permission) {
        return mergeFrom((com.coreos.jetcd.api.Permission)other);
    } else {
        super.mergeFrom(other);
        return this;
    }
}

public Builder mergeFrom(com.coreos.jetcd.api.Permission other) {
    if (other == com.coreos.jetcd.api.Permission.getDefaultInstance()) return this;
    if (other.permType_ != 0) {
        setPermTypeValue(other.getPermTypeValue());
    }
    if (other.getKey() != com.google.protobuf.ByteString.EMPTY) {
        setKey(other.getKey());
    }
    if (other.getRangeEnd() != com.google.protobuf.ByteString.EMPTY) {
        setRangeEnd(other.getRangeEnd());
    }
    onChanged();
    return this;
}

public final boolean isInitialized() {
    return true;
}

public Builder mergeFrom(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    com.coreos.jetcd.api.Permission parsedMessage = null;
    try {
        parsedMessage = PARSER.parsePartialFrom(input, extensionRegistry);
    } catch (com.google.protobuf.InvalidProtocolBufferException e) {
        parsedMessage = (com.coreos.jetcd.api.Permission) e.getUnfinishedMessage();
        throw e.unwrapIOException();
    }
    return mergeFrom(parsedMessage);
}
} finally {
    if (parsedMessage != null) {
        mergeFrom(parsedMessage);
    }
}
return this;

private int permType_ = 0;
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public int getPermTypeValue() {
    return permType_;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder setPermTypeValue(int value) {
    permType_ = value;
onChanged();
    return this;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public com.coreos.jetcd.api.Permission.Type getPermType() {
    com.coreos.jetcd.api.Permission.Type result = com.coreos.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? com.coreos.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder setPermType(com.coreos.jetcd.api.Permission.Type value) {
    if (value == null) {
        throw new NullPointerException();
    }

    permType_ = value.getNumber();
onChanged();
    return this;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder clearPermType() {
    permType_ = 0;
}
onChanged();
return this;
}

/**
 * <code>bytes key = 2;</code>
 */
public com.google.protobuf.ByteString getKey() {
    return key_;
}
/**
 * <code>bytes key = 2;</code>
 */
public Builder setKey(com.google.protobuf.ByteString value) {
    if (value == null) {
        throw new NullPointerException();
    }
    key_ = value;
    onChanged();
    return this;
}
/**
 * <code>bytes key = 2;</code>
 */
public Builder clearKey() {
    key_ = getDefaultInstance().getKey();
    onChanged();
    return this;
}

/**
 * <code>bytes range_end = 3;</code>
 */
public com.google.protobuf.ByteString getRangeEnd() {
    return rangeEnd_;
}
/**
 * <code>bytes range_end = 3;</code>
 */
public Builder setRangeEnd(com.google.protobuf.ByteString value) {
    if (value == null) {
        throw new NullPointerException();
    }
}

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rangeEnd_ = value;
onChanged();
return this;
}
/**
 * <code>bytes range_end = 3;</code>
 */
public Builder clearRangeEnd() {
    rangeEnd_ = getDefaultInstance().getRangeEnd();
onChanged();
return this;
}

private static final com.coreos.jetcd.api.Permission DEFAULT_INSTANCE;
static {
    DEFAULT_INSTANCE = new com.coreos.jetcd.api.Permission();
}

public static com.coreos.jetcd.api.Permission getDefaultInstance() {
    return DEFAULT_INSTANCE;
}

private static final com.google.protobuf.Parser<Permission> PARSER =
    new com.google.protobuf.AbstractParser<Permission>() {
        public Permission parsePartialFrom(
            com.google.protobuf.CodedInputStream input,
            com.google.protobuf.ExtensionRegistryLite extensionRegistry)
            throws com.google.protobuf.InvalidProtocolBufferException {
            return new Permission(input, extensionRegistry);
        }
    };

    public static com.google.protobuf.Parser<Permission> parser() {
import com.coreos.jetcd.data.ByteSequence;

/**
 * represents a permission over a range of keys.
 */
public class Permission {

    private final Type permType;
    private final ByteSequence key;
    private final ByteSequence rangeEnd;

    public enum Type {
        READ,
        WRITE,
        READWRITE,
        UNRECOGNIZED,
    }

    private final Type permType;
    private final ByteSequence key;
    private final ByteSequence rangeEnd;

    public enum Type {
        READ,
        WRITE,
        READWRITE,
        UNRECOGNIZED,
    }
public Permission(Type permType, ByteSequence key, ByteSequence rangeEnd) {
    this.permType = permType;
    this.key = key;
    this.rangeEnd = rangeEnd;
}

/**
 * returns the type of Permission: READ, WRITE, READWRITE, or UNRECOGNIZED.
 */
public Type getPermType() {
    return permType;
}

public ByteSequence getKey() {
    return key;
}

public ByteSequence getRangeEnd() {
    return rangeEnd;
}

1.405 juju-ratelimit 1.5.2 0.7.git269f928.el7
1.405.1 Available under license:

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1.406 python-certifi 2018.1.18-2

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Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
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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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M. Welsh, 6 July 1996

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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.

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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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Sockets
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Asynchronous socket services

--------------------------------

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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

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Original location:
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Solution inspired by code from:
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---------------

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jloup@gzip.org          madler@alumni.caltech.edu

cfuhash
-------

The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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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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1.413 jersey-entity-filtering 2.27

1.414 libasyncns 237 3ubuntu10.15

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* */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#endif

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H */
#endif /* !HAVE_POLL_H */
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1.420 listenablefuture 9999.0

1.421 c-ares 1.15.0 r0

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1.422 guava 20.0
1.423 python-stdlib-extensions 3.6.8 1~18.04

1.424 txw2 2.2.11

1.425 jaxb-runtime 2.2.11

1.426 gnupg 2.0.22 4.el7

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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.

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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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 email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)
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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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

--------------------------

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---------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
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djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
---------------

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libmpdec
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1.429 jooq 3.12.1

1.430 log4j-web 2.9.1
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1.436 metrics-servlets 3.2.5

1.437 cas server support throttle 5.2.0
1.438 spring-boot 2.1.7

1.439 python 2.7.16 r1
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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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History of the software

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://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 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 team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). 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 is a sponsoring member of the PSF.

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+----------------+--------------+------------+------------+-----------------+
| Release        | Derived from | Year       | Owner      | GPL compatible? |
+================+==============+============+------------+-----------------+
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+----------------+--------------+------------+------------+-----------------+
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| 1.6.1          | 1.6          | 2001       | CNRI       | no              |
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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
email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`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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Cookie management
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Execution tracing

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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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test_epoll
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---------

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SipHash24

---------

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of
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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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-----

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------

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----
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-------

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--------

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1.440 spring-boot 1.5.6
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1.458 jetty-io 8.1.7.v20120910

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//  ========================================================================

package org.eclipse.jetty.io;

import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;
import org.eclipse.jetty.util.TypeUtil;
import org.eclipse.jetty.util.log.Log;
import org.eclipse.jetty.util.log.Logger;
public abstract class AbstractBuffer implements Buffer
{
    private static final Logger LOG = Log.getLogger(AbstractBuffer.class);

    private final static boolean __boundsChecking =
    Boolean.getBoolean("org.eclipse.jetty.io.AbstractBuffer.boundsChecking");

    protected final static String
    __IMMUTABLE = "IMMUTABLE",
    __READONLY = "READONLY",
    __READWRITE = "READWRITE",
    __VOLATILE = "VOLATILE";

    protected int _access;
    protected boolean _volatile;

    protected int _get;
    protected int _put;
    protected int _hash;
    protected int _hashGet;
    protected int _hashPut;
    protected int _mark;
    protected String _string;
    protected View _view;

    /**
     * Constructor for BufferView
     *
     * @param access 0==IMMUTABLE, 1==READONLY, 2==READWRITE
     */
    public AbstractBuffer(int access, boolean isVolatile)
    {
        if (access == IMMUTABLE && isVolatile)
            throw new IllegalArgumentException("IMMUTABLE && VOLATILE");
        setMarkIndex(-1);
        _access = access;
        _volatile = isVolatile;
    }

    /*
     * @see org.eclipse.io.Buffer#toArray()
     */
    public byte[] asArray()
    {
        }
byte[] bytes = new byte[length()];
byte[] array = array();
if (array != null)
    System.arraycopy(array, getBytes(), 0, bytes.length);
else
    peek(getBytes(), bytes, 0, length());
return bytes;
}

public ByteArrayBuffer duplicate(int access)
{
    Buffer b = this.buffer();
    if (this instanceof Buffer.CaseInsensitive || b instanceof Buffer.CaseInsensitive)
        return new ByteArrayBuffer.CaseInsensitive(asArray(), 0, length(), access);
    else
        return new ByteArrayBuffer(asArray(), 0, length(), access);
}

/*@ see org.eclipse.io.Buffer#asNonVolatile() */
public Buffer asNonVolatileBuffer()
{
    if (!isVolatile()) return this;
    return duplicate(_access);
}

public Buffer asImmutableBuffer()
{
    if (isImmutable()) return this;
    return duplicate(IMMUTABLE);
}

/*@ see org.eclipse.util.Buffer#asReadOnlyBuffer() */
public Buffer asReadOnlyBuffer()
{
    if (isReadOnly()) return this;
    return new View(this, markIndex(), getIndex(), putIndex(), READONLY);
}

public Buffer asMutableBuffer()
{
    if (!isImmutable()) return this;
    Buffer b = this.buffer();
    if (b.isReadOnly())

{  
  return duplicate(READWRITE);
}
return new View(b, markIndex(), getIndex(), putIndex(), _access);
}

public Buffer buffer()
{
  return this;
}

public void clear()
{
  setMarkIndex(-1);
  setGetIndex(0);
  setPutIndex(0);
}

public void compact()
{
  if (isReadOnly()) throw new IllegalStateException(__READONLY);
  int s = markIndex() >= 0 ? markIndex() : getIndex();
  if (s > 0)
  {  
    byte array[] = array();
    int length = putIndex() - s;
    if (length > 0)
    {
      if (array != null)
        System.arraycopy(array(), s, array(), 0, length);
      else
        poke(0, peek(s, length));
    }
    if (markIndex() > 0) setMarkIndex(markIndex() - s);
    setGetIndex(getIndex() - s);
    setPutIndex(putIndex() - s);
  }
}

@Override
public boolean equals(Object obj)
{
  if (obj==this)
    return true;

  // reject non buffers;
  if (obj == null || !(obj instanceof Buffer)) return false;
  Buffer b = (Buffer) obj;

if (this instanceof Buffer.CaseInsensitive || b instanceof Buffer.CaseInsensitive)
    return equalsIgnoreCase(b);

    // reject different lengths
    if (b.length() != length()) return false;

    // reject AbstractBuffer with different hash value
    if (_hash != 0 && obj instanceof AbstractBuffer)
    {
        AbstractBuffer ab = (AbstractBuffer) obj;
        if (ab._hash != 0 && _hash != ab._hash) return false;
    }

    // Nothing for it but to do the hard grind.
    int get = getIndex();
    int bi = b.putIndex();
    for (int i = putIndex(); i-- > get;)
    {
        byte b1 = peek(i);
        byte b2 = b.peek(--bi);
        if (b1 != b2) return false;
    }
    return true;

    public boolean equalsIgnoreCase(Buffer b)
    {
        if (b == this)
            return true;

        // reject different lengths
        if (b.length() != length()) return false;

        // reject AbstractBuffer with different hash value
        if (_hash != 0 && b instanceof AbstractBuffer)
        {
            AbstractBuffer ab = (AbstractBuffer) b;
            if (ab._hash != 0 && _hash != ab._hash) return false;
        }

        // Nothing for it but to do the hard grind.
        int get = getIndex();
        int bi = b.putIndex();

        byte[] array = array();
        byte[] barray = b.array();
        if (array != null && barray != null)
for (int i = putIndex(); i-->get;)
{
    byte b1 = array[i];
    byte b2 = barray[--bi];
    if (b1 != b2)
    {
        if ('a' <= b1 && b1 <= 'z') b1 = (byte) (b1 - 'a' + 'A');
        if ('a' <= b2 && b2 <= 'z') b2 = (byte) (b2 - 'a' + 'A');
        if (b1 != b2) return false;
    }
}
else
{
    for (int i = putIndex(); i-->get;)
    {
        byte b1 = peek(i);
        byte b2 = b.peek(--bi);
        if (b1 != b2)
        {
            if ('a' <= b1 && b1 <= 'z') b1 = (byte) (b1 - 'a' + 'A');
            if ('a' <= b2 && b2 <= 'z') b2 = (byte) (b2 - 'a' + 'A');
            if (b1 != b2) return false;
        }
    }
    return true;
}

public byte get()
{
    return peek(_get++);
}

public int get(byte[] b, int offset, int length)
{
    int gi = getIndex();
    int l=length();
    if (l==0)
        return -1;
    if (length>l)
        length=l;
    length = peek(gi, b, offset, length);
    if (length>0)
        setGetIndex(gi + length);
}
public Buffer get(int length) {
    int gi = getIndex();
    Buffer view = peek(gi, length);
    setGetIndex(gi + length);
    return view;
}

public final int getIndex() {
    return _get;
}

public boolean hasContent() {
    return _put > _get;
}

@Override
public int hashCode() {
    if (_hash == 0 || _hashGet!=_get || _hashPut!=_put)
    {
        int get=getIndex();
        byte[] array = array();
        if (array==null)
        {
            for (int i = putIndex(); i-- >get;)
            {
                byte b = peek(i);
                if ('a' <= b & & b <= 'z')
                    b = (byte) (b - 'a' + 'A');
                _hash = 31 * _hash + b;
            }
        }
        else
        {
            for (int i = putIndex(); i-- >get;)
            {
                byte b = array[i];
                if ('a' <= b & & b <= 'z')
                    b = (byte) (b - 'a' + 'A');
                _hash = 31 * _hash + b;
            }
        }
    }
    return _hash;
}
if (_hash == 0)
    _hash = -1;
_hashGet=_get;
_hashPut=_put;
}
return _hash;
}

public boolean isImmutable()
{
    return _access <= IMMUTABLE;
}

public boolean isReadOnly()
{
    return _access <= READONLY;
}

public boolean isVolatile()
{
    return _volatile;
}

public int length()
{
    return _put - _get;
}

public void mark()
{
    setMarkIndex(_get - 1);
}

public void mark(int offset)
{
    setMarkIndex(_get + offset);
}

public int markIndex()
{
    return _mark;
}

public byte peek()
{
    return peek(_get);
}
public Buffer peek(int index, int length)
{
    if (_view == null)
    {
        _view = new View(this, -1, index, index + length, isReadOnly() ? READONLY : READWRITE);
    }
    else
    {
        _view.update(this.buffer());
        _view.setMarkIndex(-1);
        _view.setGetIndex(0);
        _view.setPutIndex(index + length);
        _view.setGetIndex(index);
    }
    return _view;
}

public int poke(int index, Buffer src)
{
    _hash=0;
    /*
     if (isReadOnly())
      throw new IllegalStateException(__READONLY);
    if (index < 0)
      throw new IllegalArgumentException("index<0: " + index + "<0");
    */
    int length=src.length();
    if (index + length > capacity())
    {
        length=capacity()-index;
        /*
         if (length<0)
          throw new IllegalArgumentException("index>capacity(): " + index + ">" + capacity());
         */
    }
    byte[] src_array = src.array();
    byte[] dst_array = array();
    if (src_array != null && dst_array != null)
        System.arraycopy(src_array, src.getIndex(), dst_array, index, length);
    else if (src_array != null)
    {
        int s=src.getIndex();
        for (int i=0;i<length;i++)
            poke(index++,src_array[s++]);
    }
}
else if (dst_array != null)
{
    int s=src.getIndex();
    for (int i=0;i<length;i++)
        dst_array[index++]=src.peek(s++);
}
else
{
    int s=src.getIndex();
    for (int i=0;i<length;i++)
        poke(index++,src.peek(s++));
}
return length;

public int poke(int index, byte[] b, int offset, int length)
{
    _hash=0;
    /*
    if (isReadOnly())
        throw new IllegalStateException(__READONLY);
    if (index < 0)
        throw new IllegalArgumentException("index<0: " + index + "," + offset);
    */
    if (index + length > capacity())
    {
        length=capacity()-index;
        /* if (length<0)
            throw new IllegalArgumentException("index>capacity(): " + index + "," + length);
        */
    }
    byte[] dst_array = array();
    if (dst_array != null)
        System.arraycopy(b, offset, dst_array, index, length);
    else
    {
        int s=offset;
        for (int i=0;i<length;i++)
            poke(index++,b[s++]);
    }
    return length;
}

public int put(Buffer src)


```java
{
    int pi = putIndex();
    int l = poke(pi, src);
    setPutIndex(pi + l);
    return l;
}

public void put(byte b)
{
    int pi = putIndex();
    poke(pi, b);
    setPutIndex(pi + 1);
}

public int put(byte[] b, int offset, int length)
{
    int pi = putIndex();
    int l = poke(pi, b, offset, length);
    setPutIndex(pi + l);
    return l;
}

public int put(byte[] b)
{
    int pi = putIndex();
    int l = poke(pi, b, 0, b.length);
    setPutIndex(pi + l);
    return l;
}

public final int putIndex()
{
    return _put;
}

public void reset()
{
    if (markIndex() >= 0) setGetIndex(markIndex());
}

public void rewind()
{
    setGetIndex(0);
    setMarkIndex(-1);
}

public void setGetIndex(int getIndex)
{
    
}
/* bounds checking
if (isImmutable())
    throw new IllegalStateException(__IMMUTABLE);
if (getIndex < 0)
    throw new IllegalArgumentException("getIndex<0: "+getIndex+"<0");
if (getIndex > putIndex())
    throw new IllegalArgumentException("getIndex>putIndex: "+getIndex+">"+putIndex());
*/
_get = getIndex;
_hash=0;
}

public void setMarkIndex(int index)
{
    /*
    if (index>=0 && isImmutable())
        throw new IllegalStateException(__IMMUTABLE);
    */
    _mark = index;
}

public void setPutIndex(int putIndex)
{
    /* bounds checking
    if (isImmutable())
        throw new IllegalStateException(__IMMUTABLE);
    if (putIndex > capacity())
        throw new IllegalArgumentException("putIndex>capacity: "+putIndex+">"+capacity());
    if (getIndex() > putIndex)
        throw new IllegalArgumentException("getIndex>putIndex: "+getIndex()+">"+putIndex());
    */
    _put = putIndex;
    _hash=0;
}

public int skip(int n)
{
    if (length() < n) n = length();
    setGetIndex(getIndex() + n);
    return n;
}

public Buffer slice()
{
    return peek(getIndex(), length());
}

public Buffer sliceFromMark()
public Buffer sliceFromMark(int length)
{
    if (markIndex() < 0) return null;
    Buffer view = peek(markIndex(), length);
    setMarkIndex(-1);
    return view;
}

public int space()
{
    return capacity() - _put;
}

public String toDetailString()
{
    StringBuilder buf = new StringBuilder();
    buf.append("[");
    buf.append(super.hashCode());
    buf.append(",");
    buf.append(this.buffer().hashCode());
    buf.append(",m=");
    buf.append(markIndex());
    buf.append(",g=");
    buf.append(getIndex());
    buf.append(",p=");
    buf.append(putIndex());
    buf.append(",c=");
    buf.append(capacity());
    buf.append("]={");
    if (markIndex() >= 0)
    {
        for (int i = markIndex(); i < getIndex(); i++)
        {
            byte b = peek(i);
            TypeUtil.toHex(b,buf);
        }
        buf.append("}");
    }
    int count = 0;
    for (int i = getIndex(); i < putIndex(); i++)
    {
        byte b = peek(i);
        TypeUtil.toHex(b,buf);
        if (count++ == 50)
if (putIndex() - i > 20)
{
    buf.append("...");
    i = putIndex() - 20;
}
buf.append('}');
return buf.toString();

/* ---------------------------------------------------------- */
@Override
public String toString()
{
    if (isImmutable())
    {
        if (_string == null)
            _string = new String(asArray(), 0, length());
        return _string;
    }
    return new String(asArray(), 0, length());
}

/* ---------------------------------------------------------- */
public String toString(String charset)
{
    try
    {
        byte[] bytes=asArray();
        if (bytes!=null)
            return new String(bytes,getIndex(),length(),charset);
    }
    catch(Exception e)
    {
        LOG.warn(e);
        return new String(asArray(), 0, length());
    }
}

/* ---------------------------------------------------------- */
public String toDebugString()
{
    return getClass()+"@"+super.hashCode();
}
public void writeTo(OutputStream out) throws IOException {
    byte[] array = array();

    if (array!=null) {
        out.write(array, getIndex(), length());
    } else {
        int len = this.length();
        byte[] buf=new byte[len>1024?1024:len];
        int offset=_get;
        while (len>0) {
            int l=peek(offset,buf,0,len>buf.length?buf.length:len);
            out.write(buf,0,l);
            offset+=l;
            len-=l;
        }
        clear();
    }
}

public int readFrom(InputStream in,int max) throws IOException {
    byte[] array = array();
    int s=space();
    if (s>max) 
        s=max;

    if (array!=null) {
        int l=in.read(array, _put,s);
        if (l>0)
            _put+=l;
        return l;
    } else {
        byte[] buf=new byte[s>1024?1024:s];
        int total=0;
        while (s>0) {
            }
int l=in.read(buf,0,buf.length);
if (l<0)
    return total>0?total:-1;
int p=put(buf,0,l);
assert l==p;
s-=l;
}
return total;
}
}

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1.459 jctools-core 2.0.2

1.460 yang-parser-impl 0.8.4
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1.462 metrics-jvm 3.2.5

1.463 sudo 1.8.27-r0

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Andric, Dimitry
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The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

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1.464 busybox 1.28.3

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1.469 xmlunit-core 2.5.1

1.470 zxcvbn 4.3.0

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1.472 apache-servicemix-bundles-dom4j

1.6.1_5

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* 
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1.483 json-simple 1.1.1

1.484 lucene 4.10.4

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NekoHTML is a simple HTML scanner and tag balancer that enables
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information using standard XML interfaces. The parser can scan HTML
files and "fix up" many common mistakes that human (and computer)
authors make in writing HTML documents. NekoHTML adds missing parent
elements; automatically closes elements with optional end tags; and can
handle mismatched inline element tags.

NekoHTML is written using the Xerces Native Interface (XNI) that is the
foundation of the Xerces2 implementation. This enables you to use the
NekoHTML parser with existing XNI tools without modification or
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1.505 python-defaults 3.6.7 1~18.04

1.506 ncurses 6.1 1ubuntu1.18.04

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1.514 cas server support configuration 5.2.0

1.515 gcc 8.3.0 r1

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```c
/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
    adapted to BSD conventions for symbol names and debugging.)
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```
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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \ 
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */
/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
(fputs(".comm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
(fputs(".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
(fputs(".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line that says to advance the location counter to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)	if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF the symbol_ref name of an internal numbered label where PREFIX is the class of label and NUM is the number within the class. This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)	 sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0
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Version 3.1, 31 March 2009

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</para>
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</para>
<para>
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a list of user commands or options, such as a menu, a prominent item in the
list meets this criterion.
</para>
<bridgehead xml:id="SourceCode" renderas="sect1">
</bridgehead>
<para>
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.
</para>
<para>
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
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runs, or a compiler used to produce the work, or an object code interpreter
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Standard preamble:

Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp

Begin verbatim text
.ft CW
.nf
.ne \S1
\" Set up some character translations and predefined strings. \" will give an unbreakable dash, \"(PI will give pi, \"(L" will give a left double quote, and \"(R" will give a right double quote. \"(C+ will give a nicer C++. Capital omega is used to do unbreakable dashes and \" therefore won't be available. \"(C" and \"(C' expand to `" in nroff, \" nothing in troff, for use with C\<.\>.
.tr \"(*W-.
ds C+ C\v'-.1v'\h'-.1p'\s'-.2+h'-.1p'+s0\v'\h'-.1p'
.ie n \{    ds -- \"(*W-
ds PI pi
 . if (\n(\n(H=4u)&(1m=24u) .ds -- \"(*W\h'-.12u\"(\"(*W\h'-.12u\" diablo 10 pitch
 . if (\n(\n(H=4u)&(1m=20u) .ds -- \"(*W\h'-.12u\"(\"(*W\h'-.8u\" diablo 12 pitch
 . ds L" "
ds R" "
ds C" "
ds C' "
\'br\}
\el\{    ds -- |\(em|    ds PI \"(p    ds L" "
ds R" "
ds C"    ds C'
\'br\}
\" Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(\n(\n(g .ds Aq \(aq
\el    .ds Aq \'
\" If the F register is >0, we'll generate index entries on stderr for \" titles (\TH), headers (\SH), subsections (\SS), items (\Ip), and index \" entries marked with X\<> in POD. Of course, you'll have to process the \" output yourself in some meaningful fashion.
\" Avoid warning from groff about undefined register 'F'.
.de IX
..nr rF 0
.if \n(\n(g .if rF .nr rF 1
.if (\n(rF(\n(g==0)) \n  . if \n(rF)\n  

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" Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
" Fear. Run. Save yourself. No user-serviceable parts.
" fudge factors for nroff and troff
.if n \{
   ds #H 0
   ds #V .8m
   ds #F .3m
   ds [# \[ 1
   ds #\] P
.}
.if t \{
   ds #H ((1-u-(\\n(.fu%2u))* .13m)
   ds #V .6m
   ds #F 0
   ds [# \&
   ds [# \&
   ds ^ \&
   ds , \&
   ds ~ ~
   ds / \&
.}
.if t \{
   ds ` \k:`h'-(\n(.wu*8/10-*)(#H)\vhh'|\n :u'
   ds ` \k:`h'-(\n(.wu*8/10-*)(#H)\vhh'|\n :u'
   ds ^ \k:`h'-(\n(.wu*10/11-*)(#H)'^h'\n:u'
   ds , \k:`h'-(\n(.wu*8/10)'\vh|\n:u'
   ds , \k:`h'-(\n(.wu*8/10)'\vh|\n:u'
   ds / \k:`h'-(\n(.wu*8/10-*)(#H)\v\h|\n:u'
.}
." troff and (daisy-wheel) nroff accents
   ds : \k:`h'-(\n(.wu*8/10-*)(#H+.1m+*)(#F)'W-\*(-#V`\h'.2m+*)(#F,'h'|\n:u'w-'*(-#V'
   ds 8 \h'*(-#H)'v*bh'*(-#H'}
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.IP "1. Source Code." 4

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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
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<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
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DRuntime: Runtime Library for the D Programming Language

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#
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#
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# so that they have the form:
#

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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

def report(self, filename, string):
    if filename:
        string = filename + ': ' + string
    sys.stderr.write (string + '
')
    self.num_errors += 1

def ok(self):
return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'decomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'lt~obsolete.m4',
            'lt~options.m4',
            'lt~sugar.m4',
            'lt~version.m4',
            'lt--obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
            'ylwrap',

            # Skip FSF mission statement, etc.
            'gnu.texi',
            'funding.texi',
            'appendix_free.xml',
        '])
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile('	')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists(base + '.def')
        and os.path.exists(base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists(base + '.ac'):
            return True
        if os.path.exists(base + '.in'):
            return True
    return False

def skip_dir(self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file(self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find('ChangeLog') >= 0:
        return True
return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include `:` for typos.
        ranges = '[0-9][[:0-9,.\s]+and\s+]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w\-\n'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (r'\b(Copyright |Copyright\s+\(C\)|\[Cc\]opyright\s+\(\[Cc\]\)|\[Cc\]opyright\s+%s|\[Cc\]opyright\s+©|\[Cc\]opyright\s+\{copyright\} |copyright = u"|@set\s+copyright\[w-]+\)'

        # 1: 'Copyright (C)', etc.
        '\((Cc)opyright'  
        })(Cc)opyright\s+\(Cc)\)'  
        })(Cc)opyright\s+%s'  
        })(Cc)opyright\s+&copy;'  
        })(Cc)opyright\s+@copyright\)'  
        'copyright = u"  
        '@set\s+copyright\[w-]+\'

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '\(\s*([0-9]+)\[0-9\]+,?\]\s*)'  
        '@value\{[^{]*\}\}"s+

        # 3: 'by ', if used
        '\((by[s+]+)?'  

        # 4: the copyright holder. Don't allow multiple consecutive
        # spaces, so that right-margin gloss doesn't get caught
        # (e.g. gnat_ugn.texi).
        '\(' + name + '\(\?\s*?' + name + '+\)'\)?

        # A regexp for notices that might have slipped by. Just matching
        # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
        # HTML header markers, so check for 'copyright' and two digits.

        # Characters in a range of years. Include `:` for typos.
        ranges = '[0-9][[:0-9,.\s]+and\s+]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w\-\n'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (r'\b(Copyright |Copyright\s+\(C\)|\[Cc\]opyright\s+\(\[Cc\]\)|\[Cc\]opyright\s+%s|\[Cc\]opyright\s+©|\[Cc\]opyright\s+\{copyright\} |copyright = u"|@set\s+copyright\[w-]+\)'
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
    re.IGNORECASE)
self.comment_re = re.compile('#|[*]+|;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', 
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
        for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))
def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years

    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != ":":
self.errors.report (pathname,
    'trailing characters in @set: ' + after_years)
return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break
    # If the next line doesn't look like a proper continuation,
    # assume that what we've got is complete.
    continuation = self.strip_continuation (next_line)
    if not self.continuation_re.match (continuation):
        break
    # Merge the lines for matching purposes.
    orig_line += next_line
    line = line.rstrip() + '' + continuation
    next_line = None
    # Rematch with the longer line, at the original position.
    match = self.copyright_re.match (line, match.start())
    assert match
    holder = match.group (4)
    # Use the filter to test cases where markup is getting in the way.
    if filter.by_package_author (dir, filename):
        assert holder not in self.holders
    elif not holder:
        self.errors.report (pathname, 'missing copyright holder')
        return (False, orig_line, next_line)
    elif holder not in self.holders:
        self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
        return (False, orig_line, next_line)
    else:
        # See whether the copyright is associated with the package
        # author.
        canon_form = self.holders[holder]
        if not canon_form:
            return (False, orig_line, next_line)
# Make sure the author is given in a consistent way.
line = (line[:match.start (4)]
    + canon_form
    + line[match.end (4):])

# Remove any 'by'
line = line[:match.start (3)] + line[match.end (3):]

# Update the copyright years.
years = match.group (2).strip()
try:
    canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ('' if intro.startswith ('copyright = ') else ' ')
    + intro + self.separator
    + intro + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '
'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    mode = None

    for line in file:
        line, changed, next_line = self.process_line (line, line_filter, False)
        if changed:
            changed = False
            if mode:
                mode += line + next_line
            else:
                mode = line + next_line

    if mode:
        self.save_mode (pathname, mode)
with open (pathname, 'r') as file:
    prev = None
    mode = os.fstat (file.fileno()).st_mode
    for line in file:
        while line:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match (line)):
                match = self.copyright_re.search (line)
                if match:
                    res = self.update_copyright (dir, filename, filter,
                                                 file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed

            # Check for copyright lines that might have slipped by.
            elif self.other_copyright_re.search (line):
                self.errors.report (pathname,
                                     'unrecognised copyright: %s'
                                     % line.strip())
                lines.append (line)
                line = next_line

            # If something changed, write the new file out.
            if changed and self.errors.ok():
                tmp_pathname = pathname + '.tmp'
                with open (tmp_pathname, 'w') as file:
                    for line in lines:
                        file.write (line)
                    os.fchmod (file.fileno(), mode)
                if self.use_quilt:
                    subprocess.call (
                        ['quilt', 'add', pathname])
                os.rename (tmp_pathname, pathname)

        def process_tree (self, tree, filter):
            for (dir, subdirs, filenames) in os.walk (tree):
                # Don't recurse through directories that should be skipped.
                for i in xrange (len (subdirs) - 1, -1, -1):
                    if filter.skip_dir (dir, subdirs[i]):
                        del subdirs[i]

                # Handle the files in this directory.
                for filename in filenames:
                    if filter.skip_file (dir, filename):
                        sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
                    else:
                        self.process_file (dir, filename, filter)
class CmdLine:
    def __init__(self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', """quilt add"" files before changing them",
                         self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                         self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...

            Options:
        ' % sys.argv[0])
        format = '%-15s %s
'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
        sys.stdout.write ('
Directories:
')
        format = '%-25s
'
        i = 0
        for (dir, filter) in self.dirs:
            i += 1
            if i % 3 == 0 or i == len (self.dirs):
                sys.stdout.write (dir + '
')
            else:
                sys.stdout.write (format % dir)
        sys.exit (0)

    def o_quilt (self, option):
        self.copyright.set_use_quilt (True)

    def o_this_year (self, option):
        self.copyright.include_year (time.localtime().tm_year)
def main(self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-:
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join(chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith(canon_dir):
                        count += 1
                        self.copyright.process_tree(dir, filter)
                if count == 0:
                    self.errors.report(None, 'unrecognised directory: ' + chosen_dir)
        sys.exit(0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------------

class TopLevelFilter(GenericFilter):
    def skip_dir(self, dir, subdir):
        return True

class ConfigFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
    def skip_file(self, dir, filename):
        if filename.endswith('.m4'):
            pathname = os.path.join(dir, filename)
            with open(pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
self.skip_files |= set([
    # Not part of GCC
    'math-68881.h',
    ])

self.skip_dirs |= set([
    # Better not create a merge nightmare for the GNAT folks.
    'ada',

    # Handled separately.
    'testsuite',
    ])

self.skip_extensions |= set([
    # Maintained by the translation project.
    '.po',

    # Automatically-generated.
    '.pot',
    ])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
    ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.d',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
            ])

        def skip_file (self, dir, filename):
            # g++.niklas/README contains historical copyright information
# and isn’t updated.
if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
    return True
# Similarly params/README.
if filename == 'README' and os.path.basename (dir) == 'params':
    return True
if filename == 'pdt_5.f03' and os.path.basename (dir) == 'gfortran.dg':
    return True
return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            
            # Imported from GLIBC.
            'soft-fp',
        )

class LibPhobosFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            
            # Source module imported from upstream.
            'object.d',
        )

        self.skip_dirs |= set (
            
            # Contains sources imported from upstream.
            'core',
            'etc',
            'gc',
            'gcstub',
            'rt',
            'std',
        )
class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// \(C\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('gotools')
        self.add_dir ('include')
        #intl is imported from upstream.
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcc1')
self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecnumber')
# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libfortran')
# libgo is imported from upstream.
self.add_dir('libgomp')
self.add_dir('libhsail-rt')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libobjc')
# liboffloadmic is imported from upstream.
self.add_dir('libphobos', LibPhobosFilter())
self.add_dir('libquadmath')
# libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')
self.add_dir('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
    'libobjc',
    'libphobos',
    'libssp',
    'libstdc++-v3',
    'libvtv',
    'lto-plugin',
]

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

@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
c man end
@c man begin COPYRIGHT
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c man end
end ignore
node Copying
c man begin DESCRIPTION
unnumbered GNU General Public License
center Version 3, 29 June 2007

c This file is intended to be included in another file.
display
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@enumerate 0
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@enumerate a
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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.

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<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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

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^L

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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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
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uses the Library", as object code and/or source code, so that the
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executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
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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)
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1.524 gson 2.3.1

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 */

package com.google.gson.internal;

import java.lang.reflect.Type;
import java.util.Collections;
import java.util.HashMap;
import java.util.Map;

/**
 * Contains static utility methods pertaining to primitive types and their
 * corresponding wrapper types.
 * @author Kevin Bourrillion
 */
public final class Primitives {
    private Primitives() {}

    /** A map from primitive types to their corresponding wrapper types. */
    private static final Map<Class<?>, Class<?>> PRIMITIVE_TO_WRAPPER_TYPE;

    /** A map from wrapper types to their corresponding primitive types. */
    private static final Map<Class<?>, Class<?>> WRAPPER_TO_PRIMITIVE_TYPE;

    // Sad that we can't use a BiMap. :(

static {
Map<Class<?>, Class<?>> primToWrap = new HashMap<Class<?>, Class<?>>();
Map<Class<?>, Class<?>> wrapToPrim = new HashMap<Class<?>, Class<?>>();
add(primToWrap, wrapToPrim, boolean.class, Boolean.class);
add(primToWrap, wrapToPrim, byte.class, Byte.class);
add(primToWrap, wrapToPrim, char.class, Character.class);
add(primToWrap, wrapToPrim, double.class, Double.class);
add(primToWrap, wrapToPrim, float.class, Float.class);
add(primToWrap, wrapToPrim, int.class, Integer.class);
add(primToWrap, wrapToPrim, long.class, Long.class);
add(primToWrap, wrapToPrim, short.class, Short.class);
add(primToWrap, wrapToPrim, void.class, Void.class);

PRIMITIVE_TO_WRAPPER_TYPE = Collections.unmodifiableMap(primToWrap);
WRAPPER_TO_PRIMITIVE_TYPE = Collections.unmodifiableMap(wrapToPrim);
}

private static void add(Map<Class<?>, Class<?>> forward,
Map<Class<?>, Class<?>> backward, Class<?> key, Class<?> value) {
    forward.put(key, value);
    backward.put(value, key);
}

/**
 * Returns true if this type is a primitive.
 */
public static boolean isPrimitive(Type type) {
    return PRIMITIVE_TO_WRAPPER_TYPE.containsKey(type);
}

/**
 * Returns {code true} if {code type} is one of the nine
 * primitive-wrapper types, such as {link Integer}.
 *
 * @see Class#isPrimitive
 */
public static boolean isWrapperType(Type type) {
    return WRAPPER_TO_PRIMITIVE_TYPE.containsKey($Gson$Preconditions.checkNotNull(type));
}

/**
 * Returns the corresponding wrapper type of {code type} if it is a primitive
 * type; otherwise returns {code type} itself. Idempotent.
 * <pre>
 * wrap(int.class) == Integer.class
 */

public static <T> Class<T> wrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> wrapped = (Class<T>) PRIMITIVE_TO_WRAPPER_TYPE.get($Gson$Preconditions.checkNotNull(type));
    return (wrapped == null) ? type : wrapped;
}

/**
 * Returns the corresponding primitive type of { @code type } if it is a
 * wrapper type; otherwise returns { @code type } itself. Idempotent.
 * <pre>
 *     unwrap(Integer.class) == int.class
 *     unwrap(int.class) == int.class
 *     unwrap(String.class) == String.class
 * </pre>
 */
public static <T> Class<T> unwrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> unwrapped = (Class<T>) WRAPPER_TO_PRIMITIVE_TYPE.get($Gson$Preconditions.checkNotNull(type));
    return (unwrapped == null) ? type : unwrapped;
}

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1.525 springwebmvcpacj 2.0.0

1.526 jquery-ui 1.12.1
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1.530 oscache 2.1.1

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* */

1.531 jackson-module-parameter-names 2.9.5

1.532 gpm 1.20.7 5
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1.533 zookeeper-jute 3.5.5

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1.536 netty-codec-socks 4.1.38

1.537 readline 7.0 5
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1.539 python-crypto 2.6.1 8ubuntu2

1.539.1 Available under license :

Copyright and licensing of the Python Cryptography Toolkit ("PyCrypto"):

Previously, the copyright and/or licensing status of the Python
Cryptography Toolkit ("PyCrypto") had been somewhat ambiguous. The
original intention of Andrew M. Kuchling and other contributors has
been to dedicate PyCrypto to the public domain, but that intention was
not necessarily made clear in the original disclaimer (see
LEGAL/copy/LICENSE.orig).

Additionally, some files within PyCrypto had specified their own
licenses that differed from the PyCrypto license itself. For example,
the original RIPEMD.c module simply had a copyright statement and
warranty disclaimer, without clearly specifying any license terms.
(An updated version on the author's website came with a license that
contained a GPL-incompatible advertising clause.)

To rectify this situation for PyCrypto 2.1, the following steps have
been taken:

1. Obtaining explicit permission from the original contributors to
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2. Replacing some modules with clearly-licensed code from other sources (e.g. the DES and DES3 modules were replaced with new ones based on Tom St. Denis's public-domain LibTomCrypt library.)

3. Replacing some modules with code written from scratch (e.g. the RIPEMD and Blowfish modules were re-implemented from their respective algorithm specifications without reference to the old implementations).

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Last updated: 2009-02-28
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=== EOF ===
package com.coreos.jetcd.api;

/**
 * <pre>
 * Permission is a single entity
 * </pre>
 *
 * Protobuf type [ @code authpb.Permission]
 */

public final class Permission extends
    com.google.protobuf.GeneratedMessageV3 implements
    // @@protoc_insertion_point(message_implements:authpb.Permission)
    PermissionOrBuilder {
private static final long serialVersionUID = 0L;

    super(builder);
}

private Permission() {
    permType_ = 0;
    key_ = com.google.protobuf.ByteString.EMPTY;
    rangeEnd_ = com.google.protobuf.ByteString.EMPTY;
}

@java.lang.Override
public final com.google.protobuf.UnknownFieldSet
getUnknownFields() {
    return this.unknownFields;
}

private Permission(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws com.google.protobuf.InvalidProtocolBufferException {
    this();
    if (extensionRegistry == null) {
        throw new java.lang.NullPointerException();
    }
    int mutable_bitField0_ = 0;
    com.google.protobuf.UnknownFieldSet unknownFields =
        com.google.protobuf.UnknownFieldSet.newBuilder().build;
    try {
boolean done = false;
while (!done) {
    int tag = input.readTag();
    switch (tag) {
    case 0:
        done = true;
        break;
    default: {
        if (!parseUnknownFieldProto3(
            input, unknownFields, extensionRegistry, tag)) {
            done = true;
        }
        break;
    }
    case 8: {
        int rawValue = input.readEnum();

        permType_ = rawValue;
        break;
    }
    case 18: {
        key_ = input.readBytes();
        break;
    }
    case 26: {
        rangeEnd_ = input.readBytes();
        break;
    }
    }
    }
  }
  catch (com.google.protobuf.InvalidProtocolBufferException e) {
    throw e.setUnfinishedMessage(this);
  }
  catch (java.io.IOException e) {
    throw new com.google.protobuf.InvalidProtocolBufferException( e).setUnfinishedMessage(this);
  }
  finally {
    this.unknownFields = unknownFields.build();
    makeExtensionsImmutable();
  }
}

public static final com.google.protobuf.Descriptors.Descriptor
getDescriptor() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable

internalGetFieldAccessorTable() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable
        .ensureFieldAccessorsInitialized(
            com.coreos.jetcd.api.Permission.class, com.coreos.jetcd.api.Permission.Builder.class);
}

/**
 * Protobuf enum {code authpb.Permission.Type}
 */
public enum Type
        implements com.google.protobuf.ProtocolMessageEnum {
    /**
     * <code>READ = 0;</code>
     */
    READ(0),
    /**
     * <code>WRITE = 1;</code>
     */
    WRITE(1),
    /**
     * <code>READWRITE = 2;</code>
     */
    READWRITE(2),
    UNRECOGNIZED(-1),
    ;

    /**
     * <code>READ = 0;</code>
     */
    public static final int READ_VALUE = 0;
    /**
     * <code>WRITE = 1;</code>
     */
    public static final int WRITE_VALUE = 1;
    /**
     * <code>READWRITE = 2;</code>
     */
    public static final int READWRITE_VALUE = 2;

    public final int getNumber() {
        if (this == UNRECOGNIZED) {
            throw new java.lang.IllegalArgumentException(                
                "Can't get the number of an unknown enum value.");
        }
        return value;
    }
}
/**
 * @deprecated Use {@link #forNumber(int)} instead.
 */
@java.lang.Deprecated
public static Type valueOf(int value) {
    return forNumber(value);
}

public static Type forNumber(int value) {
    switch (value) {
        case 0: return READ;
        case 1: return WRITE;
        case 2: return READWRITE;
        default: return null;
    }
}

public static com.google.protobuf.Internal.EnumLiteMap<Type>
    internalGetValueMap() {
    return internalValueMap;
}

private static final com.google.protobuf.Internal.EnumLiteMap<Type> internalValueMap =
    new com.google.protobuf.Internal.EnumLiteMap<Type>() {
        public Type findValueByNumber(int number) {
            return Type.forNumber(number);
        }
    };

public final com.google.protobuf.Descriptors.EnumValueDescriptor
    getValueDescriptor() {
    return getDescriptor().getValues().get(ordinal());
}

public final com.google.protobuf.Descriptors.EnumDescriptor
    getDescriptorForType() {
    return getDescriptor();
}

public static final com.google.protobuf.Descriptors.EnumDescriptor
    getDescriptor() {
    return com.coreos.jetcd.api.Permission.getDescriptor().getEnumTypes().get(0);
}

private static final Type[] VALUES = values();

public static Type valueOf(
    com.google.protobuf.Descriptors.EnumValueDescriptor desc) {
    if (desc.getType() != getDescriptor()) {
        throw new java.lang.IllegalArgumentException(

"EnumValueDescriptor is not for this type.");
}
if (desc.getIndex() == -1) {
    return UNRECOGNIZED;
}
return VALUES[desc.getIndex()];
}

private final int value;

private Type(int value) {
    this.value = value;
}

// @@protoc_insertion_point(enum_scope:authpb.Permission.Type)
}

public static final int PERMTYPE_FIELD_NUMBER = 1;
private int permType_;
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public int getPermTypeValue() {
    return permType_;  
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public com.coreos.jetcd.api.Permission.Type getPermType() {
    com.coreos.jetcd.api.Permission.Type result = com.coreos.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? com.coreos.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}

public static final int KEY_FIELD_NUMBER = 2;
private com.google.protobuf.ByteString key_;
/**
 * <code>bytes key = 2;</code>
 */
public com.google.protobuf.ByteString getKey() {
    return key_;  
}

public static final int RANGE_END_FIELD_NUMBER = 3;
private com.google.protobuf.ByteString rangeEnd_;
/**
 * <code>bytes range_end = 3;</code>
 */
public com.google.protobuf.ByteString getRangeEnd() {
return rangeEnd;
}

private byte memoizedIsInitialized = -1;
public final boolean isInitialized() {
    byte isInitialized = memoizedIsInitialized;
    if (isInitialized == 1) return true;
    if (isInitialized == 0) return false;

    memoizedIsInitialized = 1;
    return true;
}

public void writeTo(com.google.protobuf.CodedOutputStream output)
    throws java.io.IOException {
    if (permType_ != com.coreos.jetcd.api.Permission.Type.READ.getNumber()) {
        output.writeEnum(1, permType_);
    }
    if (!key_.isEmpty()) {
        output.writeBytes(2, key_);
    }
    if (!rangeEnd_.isEmpty()) {
        output.writeBytes(3, rangeEnd_);
    }
    unknownFields.writeTo(output);
}

public int getSerializedSize() {
    int size = memoizedSize;
    if (size != -1) return size;

    size = 0;
    if (permType_ != com.coreos.jetcd.api.Permission.Type.READ.getNumber()) {
        size += com.google.protobuf.CodedOutputStream
            .computeEnumSize(1, permType_);
    }
    if (!key_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(2, key_);
    }
    if (!rangeEnd_.isEmpty()) {
        size += com.google.protobuf.CodedOutputStream
            .computeBytesSize(3, rangeEnd_);
    } size += unknownFields.getSerializedSize();
    memoizedSize = size;
    return size;
}
@java.lang.Override
public boolean equals(final java.lang.Object obj) {
    if (obj == this) {
        return true;
    }
    if (!(obj instanceof com.coreos.jetcd.api.Permission)) {
        return super.equals(obj);
    }
    com.coreos.jetcd.api.Permission other = (com.coreos.jetcd.api.Permission) obj;
    boolean result = true;
    result = result && permType_ == other.permType_;
    result = result && getKey().equals(other.getKey());
    result = result && getRangeEnd().equals(other.getRangeEnd());
    result = result && unknownFields.equals(other.unknownFields);
    return result;
}

@java.lang.Override
public int hashCode() {
    if (memoizedHashCode != 0) {
        return memoizedHashCode;
    }
    int hash = 41;
    hash = (19 * hash) + getDescriptor().hashCode();
    hash = (37 * hash) + PERMTYPE_FIELD_NUMBER;
    hash = (53 * hash) + permType_;
    hash = (37 * hash) + KEY_FIELD_NUMBER;
    hash = (53 * hash) + getKey().hashCode();
    hash = (37 * hash) + RANGE_END_FIELD_NUMBER;
    hash = (53 * hash) + getRangeEnd().hashCode();
    hash = (29 * hash) + unknownFields.hashCode();
    memoizedHashCode = hash;
    return hash;
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data)
    throws com.google.protobuf.InvalidProtocolBufferException {
        return PARSER.parseFrom(data);
    }

public static com.coreos.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
        return PARSER.parseFrom(data);
    }

public static com.coreos.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data)
    throws com.google.protobuf.InvalidProtocolBufferException {
        return PARSER.parseFrom(data);
    }

public static com.coreos.jetcd.api.Permission parseFrom(
    java.nio.ByteBuffer data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
        return PARSER.parseFrom(data);
    }
return PARSER.parseFrom(data, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.ByteString data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(byte[] data)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    byte[] data,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws com.google.protobuf.InvalidProtocolBufferException {
    return PARSER.parseFrom(data, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.io.InputStream input)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseWithIOException(PARSER, input);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseWithIOException(PARSER, input, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseDelimitedFrom(java.io.InputStream input)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseDelimitedWithIOException(PARSER, input);
}

public static com.coreos.jetcd.api.Permission parseDelimitedFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseDelimitedWithIOException(PARSER, input, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseDelimitedWithIOException(PARSER, input, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseDelimitedWithIOException(PARSER, input, extensionRegistry);
}

public static com.coreos.jetcd.api.Permission parseFrom(
    java.io.InputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
    throws java.io.IOException {
    return com.google.protobuf.GeneratedMessageV3
        .parseDelimitedWithIOException(PARSER, input, extensionRegistry);
}
public static com.coreos.jetcd.api.Permission parseFrom(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws java.io.IOException {
  return com.google.protobuf.GeneratedMessageV3
    .parseWithIOException(PARSER, input, extensionRegistry);
}

public Builder newBuilderForType() { return newBuilder(); }
public static Builder newBuilder() {
  return DEFAULT_INSTANCE.toBuilder();
}
public static Builder newBuilder(com.coreos.jetcd.api.Permission prototype) {
  return DEFAULT_INSTANCE.toBuilder().mergeFrom(prototype);
}
public Builder toBuilder() {
  return this == DEFAULT_INSTANCE
      ? new Builder() : new Builder().mergeFrom(this);
}

@java.lang.Override
protected Builder newBuilderForType(
  Builder builder = new Builder(parent);
  return builder;
}

/**
 * <pre>
 * Permission is a single entity
 * </pre>
 *
 * Protobuf type {@code authpb.Permission}
 */
public static final class Builder extends
  com.google.protobuf.GeneratedMessageV3.Builder<Builder> implements
com.coreos.jetcd.api.PermissionOrBuilder {

  public static final com.google.protobuf.Descriptors.Descriptor
      getDescriptor() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
  }

  @java.lang.Override
  protected Builder newBuilderForType(
    return new Builder(parent);
  }

  protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
      fieldAccessorTable() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
  }

  public static com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
      fieldAccessorTable() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
  }

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
    fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}

protected com.google.protobuf.GeneratedMessageV3.FieldAccessorTable
  fieldAccessorTable() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable;
}
internalGetFieldAccessorTable() {
    return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_fieldAccessorTable
        .ensureFieldAccessorsInitialized(
            com.coreos.jetcd.api.Permission.class, com.coreos.jetcd.api.Permission.Builder.class);
}

// Construct using com.coreos.jetcd.api.Permission.newBuilder()
private Builder() {
  maybeForceBuilderInitialization();
}

private Builder(
  super(parent);
  maybeForceBuilderInitialization();
}
private void maybeForceBuilderInitialization() {
  if (com.google.protobuf.GeneratedMessageV3
      .alwaysUseFieldBuilders) {
  }
}

public Builder clear() {
  super.clear();
  permType_ = 0;
  key_ = com.google.protobuf.ByteString.EMPTY;

  rangeEnd_ = com.google.protobuf.ByteString.EMPTY;

  return this;
}

public com.google.protobuf.Descriptors.Descriptor getDescriptorForType() {
  return com.coreos.jetcd.api.Auth.internal_static_authpb_Permission_descriptor;
}

public com.coreos.jetcd.api.Permission getDefaultInstanceForType() {
  return com.coreos.jetcd.api.Permission.getDefaultInstance();
}

public com.coreos.jetcd.api.Permission build() {
  com.coreos.jetcd.api.Permission result = buildPartial();
  if (!result.isInitialized()) {
    throw new UninitializedMessageException(result);
  }
  return result;
}
public com.coreos.jetcd.api.Permission buildPartial() {
    com.coreos.jetcd.api.Permission result = new com.coreos.jetcd.api.Permission(this);
    result.permType_ = permType_;  
    result.key_ = key_; 
    result.rangeEnd_ = rangeEnd_; 
    onBuilt(); 
    return result; 
}

public Builder clone() {
    return (Builder) super.clone(); 
}

public Builder setField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    java.lang.Object value) {
    return (Builder) super.setField(field, value); 
}

public Builder clearField(
    com.google.protobuf.Descriptors.FieldDescriptor field) {
    return (Builder) super.clearField(field); 
}

public Builder clearOneof(
    com.google.protobuf.Descriptors.OneofDescriptor oneof) {
    return (Builder) super.clearOneof(oneof); 
}

public Builder setRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    int index, java.lang.Object value) {  
    return (Builder) super.setRepeatedField(field, index, value); 
}

public Builder addRepeatedField(
    com.google.protobuf.Descriptors.FieldDescriptor field,
    java.lang.Object value) {
    return (Builder) super.addRepeatedField(field, value); 
}

public Builder mergeFrom(com.google.protobuf.Message other) {
    if (other instanceof com.coreos.jetcd.api.Permission) {
        return mergeFrom((com.coreos.jetcd.api.Permission)other); 
    } else {
        super.mergeFrom(other); 
        return this; 
    }
}

public Builder mergeFrom(com.coreos.jetcd.api.Permission other) {
    if (other == com.coreos.jetcd.api.Permission.getDefaultInstance()) return this; 
    if (other.permType_ != 0) {
setPermTypeValue(other.getPermTypeValue());
}
if (other.getKey() != com.google.protobuf.ByteString.EMPTY) {
    setKey(other.getKey());
}
if (other.getRangeEnd() != com.google.protobuf.ByteString.EMPTY) {
    setRangeEnd(other.getRangeEnd());
}
this.mergeUnknownFields(other.unknownFields);
onChanged();
return this;
}

public final boolean isInitialized() {
    return true;
}

public Builder mergeFrom(
    com.google.protobuf.CodedInputStream input,
    com.google.protobuf.ExtensionRegistryLite extensionRegistry)
throws java.io.IOException {
    com.coreos.jetcd.api.Permission parsedMessage = null;
    try {
        parsedMessage = PARSER.parsePartialFrom(input, extensionRegistry);
    } catch (com.google.protobuf.InvalidProtocolBufferException e) {
        parsedMessage = (com.coreos.jetcd.api.Permission) e.getUnfinishedMessage();
        throw e.unwrapIOException();
    } finally {
        if (parsedMessage != null) {
            mergeFrom(parsedMessage);
        }
    }
    return this;
}

private int permType_ = 0;
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public int getPermTypeValue() {
    return permType_;}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder setPermTypeValue(int value) {
    permType_ = value;
    onChanged();
}
```java
return this;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public com.coreos.jetcd.api.Permission.Type getPermType() {
    com.coreos.jetcd.api.Permission.Type result = com.coreos.jetcd.api.Permission.Type.valueOf(permType_);
    return result == null ? com.coreos.jetcd.api.Permission.Type.UNRECOGNIZED : result;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder setPermType(com.coreos.jetcd.api.Permission.Type value) {
    if (value == null) {
        throw new NullPointerException();
    }
    permType_ = value.getNumber();
    onChanged();
    return this;
}
/**
 * <code>.authpb.Permission.Type permType = 1;</code>
 */
public Builder clearPermType() {
    permType_ = 0;
    onChanged();
    return this;
}
/**
 * <code>bytes key = 2;</code>
 */
public com.google.protobuf.ByteString getKey() {
    return key_;}
/**
 * <code>bytes key = 2;</code>
 */
public Builder setKey(com.google.protobuf.ByteString value) {
    if (value == null) {
        throw new NullPointerException();
    }
    key_ = value;
    onChanged();
    return this;
}
```
return this;
}
/**
 * <code>bytes key = 2;</code>
 */
public Builder clearKey() {
    key_ = getDefaultInstance().getKey();
onChanged();
    return this;
}

/**
 * <code>bytes range_end = 3;</code>
 */
public com.google.protobuf.ByteString getRangeEnd() {
    return rangeEnd_;}
/**
 * <code>bytes range_end = 3;</code>
 */
public Builder setRangeEnd(com.google.protobuf.ByteString value) {
    if (value == null) {
        throw new NullPointerException();
    }
    rangeEnd_ = value;
onChanged();
    return this;
}
/**
 * <code>bytes range_end = 3;</code>
 */
public Builder clearRangeEnd() {
    rangeEnd_ = getDefaultInstance().getRangeEnd();
onChanged();
    return this;
}

public final Builder setUnknownFields(final com.google.protobuf.UnknownFieldSet unknownFields) {
    return super.setUnknownFieldsProto3(unknownFields);
}

public final Builder mergeUnknownFields(final com.google.protobuf.UnknownFieldSet unknownFields) {
    return super.mergeUnknownFields(unknownFields);
}
private static final com.coreos.jetcd.api.Permission DEFAULT_INSTANCE;
static {
    DEFAULT_INSTANCE = new com.coreos.jetcd.api.Permission();
}

public static com.coreos.jetcd.api.Permission getDefaultInstance() {
    return DEFAULT_INSTANCE;
}

private static final com.google.protobuf.Parser<Permission>
    PARSER = new com.google.protobuf.AbstractParser<Permission>() {
    public Permission parsePartialFrom(
        com.google.protobuf.CodedInputStream input,
        com.google.protobuf.ExtensionRegistryLite extensionRegistry)
        throws com.google.protobuf.InvalidProtocolBufferException {
        return new Permission(input, extensionRegistry);
    }
};

public static com.google.protobuf.Parser<Permission> parser() {
    return PARSER;
}

@java.lang.Override
public com.google.protobuf.Parser<Permission> getParserForType() {
    return PARSER;
}

public com.coreos.jetcd.api.Permission getDefaultInstanceForType() {
    return DEFAULT_INSTANCE;
}

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 */
package com.coreos.jetcd.auth;

import com.coreos.jetcd.data.ByteSequence;

/**
 * represents a permission over a range of keys.
 */
public class Permission {

  private final Type permType;
  private final ByteSequence key;
  private final ByteSequence rangeEnd;

  public enum Type {
    READ,
    WRITE,
    READWRITE,
    UNRECOGNIZED,
  }

  public Permission(Type permType, ByteSequence key, ByteSequence rangeEnd) {
    this.permType = permType;
    this.key = key;
    this.rangeEnd = rangeEnd;
  }

  /**
   * returns the type of Permission: READ, WRITE, READWRITE, or UNRECOGNIZED.
   */
  public Type getPermType() {
    return permType;
  }

  public ByteSequence getKey() {
    return key;
  }

  public ByteSequence getRangeEnd() {
    return rangeEnd;
  }
}
1.541 go-jmespath 1.5.2 0.7.git269f928.el7

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jpm: The JMESPath Command Line Interface
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1.542 go-capability 1.5.2 0.7.git269f928.el7

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1.545 libseccomp 237 3ubuntu10.31

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From: Michael Biebl <biebl@debian.org>
Date: Sun, 17 Dec 2017 00:31:20 +0100
Subject: Revert "udev-rules: Permission changes for /dev/dri/renderD*"

This would introduce a new system group "render". As the name is rather generic, this needs further discussion first, so revert this change for now.

This reverts commit 4e15a7343cb389e97f3eb4f49699161862d8b8b2.

---
meson.build | 2 --
meson_options.txt | 2 --
rules/50-udev-default.rules.in | 5 +-----
src/login/70-uaccess.rules | 2 +-
4 files changed, 2 insertions(+), 9 deletions(-)
diff --git a/meson.build b/meson.build
index c734561..b9e59ec 100644
--- a/meson.build
+++ b/meson.build
@@ -753,7 +753,6 @@ if get_option('wheel-group')
    endif

    substs.set('DEV_KVM_MODE', get_option('dev-kvm-mode'))
-substs.set('GROUP_RENDER_MODE', get_option('group-render-mode'))
kill_user_processes = get_option('default-kill-user-processes')
conf.set10('KILL_USER_PROCESSES', kill_user_processes)
@@ -2741,7 +2740,6 @@ status = [
    'minimum container UID base:        @0@'.format(container_uid_base_min),
    'maximum container UID base:        @0@'.format(container_uid_base_max),
    '/dev/kvm access mode:              @0@'.format(get_option('dev-kvm-mode'))),
-    'render group access mode:          @0@'.format(get_option('group-render-mode'))),
    'certificate root directory:        @0@'.format(get_option('certificate-root')),
    'support URL:                       @0@'.format(support_url),
    'nobody user name:                  @0@'.format(nobody_user),

diff --git a/meson_options.txt b/meson_options.txt
index 39822d6..b1d035f 100644
--- a/meson_options.txt
+++ b/meson_options.txt
@@ -177,8 +177,6 @@ option('nobody-group', type : 'string',
    value : 'nobody')
-option('dev-kvm-mode', type : 'string', value : '0666',
       description : '/dev/kvm access mode')
-option('group-render-mode', type : 'string', value : '0666',
-       description : 'Access mode for devices owned by render group (e.g. /dev/dri/renderD*, /dev/kfd).')
-option('default-kill-user-processes', type : 'boolean',
       description : 'the default value for KillUserProcesses= setting')
option('gshadow', type : 'boolean',
diff --git a/rules/50-udev-default.rules.in b/rules/50-udev-default.rules.in
index bd4c215..549a4f0 100644
--- a/rules/50-udev-default.rules.in
+++ b/rules/50-udev-default.rules.in
@@ -31,14 +31,11 @@ SUBSYSTEM=="input", KERNEL=="js[0-9]*", MODE="0664"
    SUBSYSTEM=="video4linux", GROUP="video"
    SUBSYSTEM=="graphics", GROUP="video"
-    SUBSYSTEM=="drm", KERNEL!='renderD*'
+    SUBSYSTEM=="drm", GROUP="video"
    SUBSYSTEM=="dvb", GROUP="video"
    SUBSYSTEM=="media", GROUP="video"
    SUBSYSTEM=="cec", GROUP="video"

---

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diff --git a/src/login/70-uaccess.rules b/src/login/70-uaccess.rules
index f2c838f..f3a2e66 100644
--- a/src/login/70-uaccess.rules
+++ b/src/login/70-uaccess.rules
@@ -45,7 +45,7 @@ SUBSYSTEM=="firewire", ATTR{units}=="*0x00a02d:0x010001*", TAG+="uaccess"
 SUBSYSTEM=="firewire", ATTR{units}=="*0x00a02d:0x014001*", TAG+="uaccess"

 # DRI video devices
-SUBSYSTEM="drm", KERNEL="card*", TAG+="uaccess"
+SUBSYSTEM="drm", KERNEL="card*|renderD*", TAG+="uaccess"

 # smart-card readers

ENV{ID_SMARTCARD_READER}=="?*", TAG+="uaccess"

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       src/udev/udevadm-hwdb.c
       src/udev/udev-builtin.c
       src/udev/udev-builtin-net_id.c
       src/udev/udev-builtin-net_setup_link.c
       src/udev/udev-builtin-hwdb.c
       src/udev/udev-builtin-btrfs.c
       src/udev/udev-builtin-keyboard.c
       src/udev/net/link-config.h
       src/udev/net/link-config.c
       src/udev/net/ethtool-util.c
       src/udev/net/ethtool-util.h

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1.547 mapsforge 0.6.0

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1.556 zipkin-autoconfigure-storage-cassandra 2.8.3

1.557 jackson 2.9.0
1.557.1 Available under license :

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1.558 tre 1.1.22 r3

1.558.1 Available under license:

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1.559 python-certifi 2018.1.18 2
1.559.1 Available under license:
This package contains a modified version of ca-bundle.crt:

c-a-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) $RCSfile: certdata.txt,v $ $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.560 spring-boot-starter-data-jpa 2.1.4

1.561 javax-persistence-api 2.2
1.561.1 Available under license:
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1.562 libseccomp 237 3ubuntu10.15
1.562.1 Available under license:

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1.563 nghttp 1.32.0 r0

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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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1.564 commons-collections 3.2.2

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1.566 musl 1.1.22 r2
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Theodore Ts'o
23-June-2007

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--- 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
-
-  Copyright (C) Andrew Tridgell              2005
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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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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>.
Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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*/

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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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#
# 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)

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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".

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Gadi Oxman, August 1995

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1.569 json-c 0.99.8 2
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1.570 grpc-netty 1.9.1

1.571 jopt-simple 3.2

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 */

package joptsimple;

import java.util.ArrayList;
import java.util.Collection;
import java.util.List;
import static java.util.Collections.
import static joptsimple.internal.Strings.

import static joptsimple.internal.Strings.*;

import static joptsimple.internal.Strings.*;

package joptsimple;

import java.util.ArrayList;
import java.util.Collection;
import java.util.List;
import static java.util.Collections.
import static joptsimple.internal.Strings.

import static joptsimple.internal.Strings.*;

/*
 * @param <V> represents the type of the arguments this option accepts
 */
abstract class AbstractOptionSpec<V> implements OptionSpec<V> {
    private final List<String> options = new ArrayList<String>();
    private final String description;

    protected AbstractOptionSpec( String option ) {
        this( singletonList( option ), EMPTY );
    }

    protected AbstractOptionSpec( Collection<String> options, String description ) {
        arrangeOptions( options );

        this.description = description;
    }

    public final Collection<String> options() {
        return unmodifiableCollection( options );
    }

    public final List<V> values( OptionSet detectedOptions ) {
        return detectedOptions.valuesOf( this );
    }

    public final V value( OptionSet detectedOptions ) {
        return detectedOptions.valueOf( this );
    }

    abstract List<V> defaultValues();

    String description() {
        return description;
    }

    protected abstract V convert( String argument );

    abstract void handleOption( OptionParser parser, ArgumentList arguments, OptionSet detectedOptions,
                                  String detectedArgument );

    abstract boolean acceptsArguments();

    abstract boolean requiresArgument();

    abstract void accept( OptionSpecVisitor visitor );

    private void arrangeOptions( Collection<String> unarranged ) {
        if ( unarranged.size() == 1 ) {
options.addAll( unarranged );
return;
}

List<String> shortOptions = new ArrayList<String>();
List<String> longOptions = new ArrayList<String>();

for ( String each : unarranged ) {
  if ( each.length() == 1 )
    shortOptions.add( each );
  else
    longOptions.add( each );
}

sort( shortOptions );
sort( longOptions );

options.addAll( shortOptions );
options.addAll( longOptions );
}

@Override
public boolean equals( Object that ) {
  if ( !( that instanceof AbstractOptionSpec<?> ) )
    return false;

  AbstractOptionSpec<?> other = (AbstractOptionSpec<?>) that;
  return options.equals( other.options );
}

@Override
public int hashCode() {
  return options.hashCode();
}

@Override
public String toString() {
  return options.toString();
}
}
1.573 jackson-annotations 2.8.0

1.574 jcip-annotation 1.0

1.574.1 Available under license:

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1.578 error-prone-annotations 2.1.2

1.579 jvm-hotspot-amazon 1.8.0u232
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*/

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/**
* A simple interface to show the End User License Agreement (EULA) dialog
*/
public interface Eula {

    /**
     * display the eula dialog, if not already shown
     * @return false if eula was rejected, true otherwise
     */
    public boolean show();

    /**
     * accept the EULA, so no EULA dialog will be displayed
     */
    public void accept();
}

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questions.
package java.security.acl;

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */
public interface Permission {

/**
 * Returns true if the object passed matches the permission represented
 * in this interface.
 *
 * @param another the Permission object to compare with.
 *
 * @return true if the Permission objects are equal, false otherwise
 */
public boolean equals(Object another);

/**
 * Prints a string representation of this permission.
 *
 * @return the string representation of the permission.
 */
public String toString();

}

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package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 *
 * <p>Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a [code java.io.FilePermission] object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * [code java.lang.RuntimePermission],
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 *
 * <p>An important method that must be implemented by each subclass is
 * the [code implies] method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 * Thus, this is not an equality test, but rather more of a
 * subset test.
 *
 * <p>Permission objects are similar to String objects in that they
 * are immutable once they have been created. Subclasses should not
 * provide methods that can change the state of a permission
 * once it has been created.
 *
 * @see Permissions
 * @see PermissionCollection
 *
 * @author Marianne Mueller
 * @author Roland Schemers
 */

public abstract class Permission implements Guard, java.io.Serializable {
private static final long serialVersionUID = -563657022231596674L;

private String name;

/**
 * Constructs a permission with the specified name.
 * @param name name of the Permission object being created.
 */
public Permission(String name) {
    this.name = name;
}

/**
 * Implements the guard interface for a permission. The 
 * {code SecurityManager.checkPermission} method is called,
 * passing this permission object as the permission to check.
 * Returns silently if access is granted. Otherwise, throws 
 * a SecurityException.
 * @param object the object being guarded (currently ignored).
 * @throws SecurityException if a security manager exists and its 
 *   {code checkPermission} method doesn't allow access.
 * @see Guard
 * @see GuardedObject
 * @see SecurityManager#checkPermission
 */
public void checkGuard(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}

/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * <P>
 * This must be implemented by subclasses of Permission, as they are the
 * only ones that can impose semantics on a Permission object.
 * 
 * The {code implies} method is used by the AccessController to determine
 * whether or not a requested permission is implied by another permission that
 * is known to be valid in the current execution context.
public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <p>
 * Do not use the {@code equals} method for making access control
 * decisions; use the {@code implies} method.
 * @param obj the object we are testing for equality with this object.
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <p>
 * The required {@code hashCode} behavior for Permission Objects is
 * the following:
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 *     once during an execution of a Java application, the
 *     {@code hashCode} method
 *     must consistently return the same integer. This integer need not
 *     remain consistent from one execution of an application to another
 *     execution of the same application.
 * <li>If two Permission objects are equal according to the
 *     {@code equals} method, then calling the {@code hashCode} method on each of the
 *     two Permission objects must produce the same integer result.
 * </ul>
 * @return a hash code value for this object.
 */

public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a {@code java.io.FilePermission},
 */
public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 * *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 * *
 * both return
 * "read,write" when the { @code getActions} method is invoked.
 * *
 * @return the actions of this Permission.
 * *
 */

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the { @code PermissionCollection.implies} method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 * *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 */

public PermissionCollection newPermissionCollection() {
return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: '("ClassName" "name" "actions")', or
 * '("ClassName" "name")' if actions list is null or empty.
 *
 * @return information about this Permission.
 */
public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + " " + actions + ")";
    }
}

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1.582 thymeleaf-layout-dialect 2.2.2

1.583 base-passwd 3.5.46

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distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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1.601 pkg-config 0.29.1 0ubuntu2

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1.602 jkeylockmanager 2.1.0

1.603 cas server support actions 5.2.0

1.604 pac4j mongo 2.1.0
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CMAKE_INSTALL_MANDIR='man'
CMAKE_INSTALL_SBINDIR='sbin'
CMAKE_INSTALL_SHAREDSTATEDIR='com'
CMAKE_INSTALL_SYSCONFDIR='etc'
CMAKE_INSTALL_FULL_BINDIR='=/opt/Opt/bin'
CMAKE_INSTALL_FULL_DATADIR='=/opt/Opt/share'
CMAKE_INSTALL_FULL_DATAROOTDIR='=/opt/Opt/share'
CMAKE_INSTALL_FULL_DOCDIR='=/opt/Opt/share/doc/Opt'
CMAKE_INSTALL_FULL_INCLUDEDIR='=/opt/Opt/include'
CMAKE_INSTALL_FULL_INFODIR='=/opt/Opt/info'
CMAKE_INSTALL_FULL_LIBDIR='=/opt/Opt/(lib|lib64)'
CMAKE_INSTALL_FULL_LIBEXECDIR='=/opt/Opt/libexec'
CMAKE_INSTALL_FULL_LOCALEDIR='=/opt/Opt/share/locale'
CMAKE_INSTALL_FULL_LOCALSTATEDIR='=/var/opt/Opt'
CMAKE_INSTALL_FULL_RUNSTATEDIR='=/var/run/opt/Opt'
CMAKE_INSTALL_FULL_MANDIR='=/opt/Opt/man'
CMAKE_INSTALL_FULL_SBINDIR='=/opt/Opt/sbin'
CMAKE_INSTALL_FULL_SHAREDSTATEDIR='=/opt/Opt/com'
CMAKE_INSTALL_FULL_SYSCONFDIR='=/etc/opt/Opt$

--------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzzip2/libbzzip2 version 1.0.5 of 10 December 2007

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'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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```
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CMAKE_INSTALL_DATADIR='share'
CMAKE_INSTALL_DATAROOTDIR='share'
CMAKE_INSTALL_DOCDIR='share/doc/Usr'
CMAKE_INSTALL_INCLUDEDIR='include'
CMAKE_INSTALL_INFODIR='info'
CMAKE_INSTALL_LIBDIR=('lib'|'lib64'|'lib/arch')
CMAKE_INSTALL_LIBEXECDIR='libexec'
CMAKE_INSTALL_LOCALSTATEDIR='var'
CMAKE_INSTALL_RUNSTATEDIR='var/run'
CMAKE_INSTALL_MANDIR='man'
```
CMAKE_INSTALL_SBINDIR='sbin'
CMAKE_INSTALL_SHAREDSTATEDIR='com'
CMAKE_INSTALL_SYSCONFDIR='etc'
CMAKE_INSTALL_FULL_BINDIR='/usr/bin'
CMAKE_INSTALL_FULL_DATADIR='/usr/share'
CMAKE_INSTALL_FULL_DATA_ROOTDIR='/usr/share'
CMAKE_INSTALL_FULL_DOCDIR='/usr/share/doc/Usr'
CMAKE_INSTALL_FULL_INCLUDEDIR='/usr/include'
CMAKE_INSTALL_FULL_INFODIR='/usr/info'
CMAKE_INSTALL_FULL_LIBDIR='/usr/(lib|lib64|lib/arch)'
CMAKE_INSTALL_FULL_LIBEXECDIR='/usr/libexec'
CMAKE_INSTALL_FULL_LOCALEDIR='/usr/share/locale'
CMAKE_INSTALL_FULL_LOCALSTATEDIR='/var'
CMAKE_INSTALL_FULL_RUNSTATEDIR='/var/run'
CMAKE_INSTALL_FULL_MANDIR='/usr/man'
CMAKE_INSTALL_FULL_SBINDIR='/usr/sbin'
CMAKE_INSTALL_FULL_SHAREDSTATEDIR='/usr/com'
CMAKE_INSTALL_FULL_SYSCONFDIR='/etc'

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^CMake Deprecation Warning at */Tests/RunCMake/message/message-all-loglevels\cmake:2 \(message\):
  Deprecation warning
  +
CMake Warning \(dev\) at */Tests/RunCMake/message/message-all-loglevels\cmake:3 \(message\):
  Author warning message
This warning is for project developers\. Use -Wno-dev to suppress it\.+
  CMake Warning at */Tests/RunCMake/message/message-all-loglevels\cmake:4 \(message\):

Warning message
+
Default NOTICE message
NOTICE message
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Version 2.1, February 1999
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CMAKE_INSTALL_DATADIR='share'
CMAKE_INSTALL_DATAROOTDIR='share'
CMAKE_INSTALL_DOCDIR='share/doc/UsrLocal'
CMAKE_INSTALL_INCLUDEDIR='include'
CMAKE_INSTALL_INFODIR='info'
CMAKE_INSTALL_LIBDIR='(lib|lib64)'
CMAKE_INSTALL_LIBEXECDIR='libexec'
CMAKE_INSTALL_LOCALEDIR='share/locale'
CMAKE_INSTALL_LOCALSTATEDIR='var'
CMAKE_INSTALL_RUNSTATEDIR='var/run'
CMAKE_INSTALL_MANDIR='man'
CMAKE_INSTALL_SBINDIR='sbin'
CMAKE_INSTALL_SHAREDSTATEDIR='com'
CMAKE_INSTALL_SYSCONFDIR='etc'
CMAKE_INSTALL_FULL_BINDIR='/usr/local/bin'`
CMAKE_INSTALL_FULL_DATADIR="/usr/local/share"
CMAKE_INSTALL_FULL_DATAROOTDIR="/usr/local/share"
CMAKE_INSTALL_FULL_DOCDIR="/usr/local/share/doc/UsrLocal"
CMAKE_INSTALL_FULL_INCLUDEDIR="/usr/local/include"
CMAKE_INSTALL_FULL_INFODIR="/usr/local/info"
CMAKE_INSTALL_FULL_LIBDIR="/usr/local/(lib|lib64)"
CMAKE_INSTALL_FULL_LIBEXECDIR="/usr/local/libexec"
CMAKE_INSTALL_FULL_LOCALEDIR="/usr/local/share/locale"
CMAKE_INSTALL_FULL_LOCALSTATEDIR="/usr/local/var"
CMAKE_INSTALL_FULL_RUNSTATEDIR="/usr/local/var/run"
CMAKE_INSTALL_FULL_MANDIR="/usr/local/man"
CMAKE_INSTALL_FULL_SBINDIR="/usr/local/sbin"
CMAKE_INSTALL_FULL_SYSCONFDIR="/usr/local/etc"

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*/

#ifndef UV_BSD_H
#define UV_BSD_H

#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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CMAKE_INSTALL_DOCDIR='usr/share/doc/Root'
CMAKE_INSTALL_INCLUDEDIR='usr/include'
CMAKE_INSTALL_INFODIR='usr/info'
CMAKE_INSTALL_LIBDIR='usr/(lib|lib64)'
CMAKE_INSTALL_LIBEXECDIR='usr/libexec'
CMAKE_INSTALL_LOCALSTATEDIR='var'
CMAKE_INSTALL_RUNSTATEDIR='var/run'
CMAKE_INSTALL_MANDIR='usr/man'
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hello world
merhaba dnya

4-Byte sequences:
Perch (Fish) Elevator!

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On all platforms, Nmap is normally linked with:

o libpcap: Network packet capture library. Distributed with Nmap in the libpcap subdirectory.
  http://www.tcpdump.org/

o libdnet: Networking library, used for low-level tasks such as sending ethernet frames. A modified version is distributed with Nmap in the libdnet-stripped subdirectory. A summary of Nmap-local modifications is in the file NMAP_MODIFICATIONS.
  http://code.google.com/p/libdnet/

o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's version detection and is also made available as an NSE library. Distributed with Nmap in the libpcre subdirectory.
  http://www.pcre.org/

o liblua: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the --without-liblua configuration directive.
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o OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.
  http://www.openssl.org/

o LIBLINEAR. Used for IPv6 OS classification.
  http://www.csie.ntu.edu.tw/~cjlin/liblinear/


On Windows only, Nmap uses:

o WinPcap: libpcap for Windows. The libpcap license applies to WinPcap,
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distributed with Nmap in the subdirectory mswin32/winpcap.
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Zenmap and Ndiff require:
o Python. The binary distributions of Nmap include a Python interpreter
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The Mac OS binary packages also include:
o Various X.org libraries. These were built using MacPorts.
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THE BASIC LIBRARY FUNCTIONS
-------------------------------

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

University of Cambridge Computing Service,

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1.615 glibc 2.28-10

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/* setjmp is implemented in setjmp.S */

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#!/usr/bin/python
#
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# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#   update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess
class Errors:
    def __init__ (self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write (string + '
')
        self.num_errors += 1

    def ok (self):
        return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'lttoptions.m4',
            'ltversion.m4',
            'lt~obsolete.m4',
            'missing',
        '])
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
)

```python
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True
```

---

*Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.05360*
return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include ' ' for typos.
        ranges = '[0-9][?[-0-9.,\s]\s+and\s+]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w-.]+'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (  
            # 1: 'Copyright (C)', etc.
            '([Cc]opyright'  
            '[Cc]opyright\s+([Cc])'  
            '[Cc]opyright\s+%s'  
            '[Cc]opyright\s+\&copy;'  
            '[Cc]opyright\s+@copyright\{\}'  
            'copyright = ul'  
            '@set\s+copyright[\w-]+'  
            '\(\s*\(\s*\)' + ranges + '\s*\)'  
        )
# 3: 'by ', if used
'(by\s+)?'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texti).
'(\ + name +(\?\s? + name +\*)?)'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*\[0-9\][0-9]',
    re.IGNORECASE)
self.comment_re = re.compile('#+|[*+]|;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', .
self.separator = ' ' 

def add_package_author(self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find(' ')
    while index >= 0:
        self.holder_prefixes.add(holder[:index])
        index = holder.find(' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year(self, string):
    year = int (string)
if len(string) == 2:
    if year > 70:
        return year + 1900
    elif len(string) == 4:
        return year
    raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years
    (min_year, max_year) = self.year_range(years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '':
            self.errors.report(pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break
            # If the next line doesn’t look like a proper continuation,
            # assume that what we’ve got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break

            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match(line, match.start())
            assert match

            holder = match.group(4)

        # Use the filter to test cases where markup is getting in the way.
        if filter.by_package_author(dir, filename):
            assert holder not in self.holders
        elif not holder:
            self.errors.report(pathname, 'missing copyright holder')
            return (False, orig_line, next_line)

        if holder in self.holders):
elif holder not in self.holders:
    self.errors.report (pathname,
                        'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):  
        intro += ' (C)'
    elif intro.endswith ('(c)'): 
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '

    return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
if filename.endswith('.tmp'):
    # Looks like something we tried to create before.
    try:
        os.remove (pathname)
    except OSError:
        pass
    return

lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
mode = None
with open (pathname, 'r') as file:
    prev = None
    mode = os.fstat (file.fileno()).st_mode
    for line in file:
        while line:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match (line)):
                match = self.copyright_re.search (line)
                if match:
                    res = self.update_copyright (dir, filename, filter,
                                                 file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed

            # Check for copyright lines that might have slipped by.
            elif self.other_copyright_re.search (line):
                self.errors.report (pathname,
                                    'unrecognised copyright: %s'
                                    % line.strip())
                lines.append (line)
            line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open (tmp_pathname, 'w') as file:
            for line in lines:
                file.write (line)
            os.fchmod (file.fileno(), mode)
        if self.use_quilt:
            subprocess.call (['quilt', 'add', pathname])
        os.rename (tmp_pathname, pathname)

    def process_tree (self, tree, filter):
        for (dir, subdirs, filenames) in os.walk (tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
    if filter.skip_dir (dir, subdirs[i]):
        del subdirs[i]

# Handle the files in this directory.
for filename in filenames:
    if filter.skip_file (dir, filename):
        sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
    else:
        self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                         self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                         self.o_this_year)

        def add_option (self, name, help, handler):
            self.option_help.append ((name, help))
            self.option_handlers[name] = handler

        def add_dir (self, dir, filter = GenericFilter()):
            self.dirs.append ((dir, filter))

        def o_help (self, option = None):
            sys.stdout.write ('Usage: %s [options] dir1 dir2...

            Options:
' % sys.argv[0])
            format = '%-15s %s
'
            for (what, help) in self.option_help:
                sys.stdout.write (format % (what, help))
            sys.stdout.write ('
Directories:
')
            format = '%-25s
'
            i = 0
            for (dir, filter) in self.dirs:
                i += 1
if i % 3 == 0 or i == len(self.dirs):
    sys.stdout.write(dir + '\n')
else:
    sys.stdout.write(format % dir)
sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join(chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith(canon_dir):
                        count += 1
                        self.copyright.process_tree(dir, filter)
                if count == 0:
                    self.errors.report(None, 'unrecognised directory: ' + chosen_dir)
            sys.exit(0 if self.errors.ok() else 1)

#----------------------------------------------------------------------
class TopLevelFilter(GenericFilter):
    def skip_dir(self, dir, subdir):
        return True

class ConfigFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
def skip_file(self, dir, filename):
    if filename.endswith('.m4'):
        pathname = os.path.join(dir, filename)
        with open(pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find('gettext-') >= 0:
                return True
    return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set([
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
        ])

        self.skip_extensions |= set([
            # Handled separately.
            'testsuite',
        ])

        self.fossilised_files |= set([
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.c++',
        ])

Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.05369
def skip_file (self, dir, filename):
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    if filename == 'README' and os.path.basename (dir) == 'params':
        return True
    if filename == 'pdt_5.f03' and os.path.basename (dir) == 'gfortran.dg':
        return True
    return GenericFilter.skip_file (self, dir, filename)

def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_extensions |= set ([
        # Maintained by the translation project.
        '.po',

        # Automatically-generated.
        '.pot',
    ])

    self.skip_dirs |= set ([
        # Imported from GLIBC.
        'soft-fp',
    ])

    self.skip_files |= set ([
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        # Similarly params/README.
        # gfortran.dg/pdt_5.f03
    ])

class LibCppFilter (GenericFilter):

def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_extensions |= set ([
        # Maintained by the translation project.
        '.po',

        # Automatically-generated.
        '.pot',
    ])

class LibGCCFilter (GenericFilter):

def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_dirs |= set ([
        # Imported from GLIBC.
        'soft-fp',
    ])

class LibPhobosFilter (GenericFilter):

def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_files |= set ([

# Source module imported from upstream.
'object.d',
])

self.skip_dirs |= set([
    # Contains sources imported from upstream.
    'core',
    'etc',
    'gc',
    'gestub',
    'rt',
    'std',
])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set([
            # Contains automatically-generated sources.
            'html',
        ])

        # The testsuite data files shouldn't be changed.
        'data',

        # Contains imported images
        'images',
    ])

        self.own_files |= set([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// \(C\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)
canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('Free Software Foundation.', canon_fsf)
self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('The Free Software Foundation', canon_fsf)
self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('Software Foundation, Inc.', canon_fsf)

self.add_external_author ('ARM')
self.add_external_author ('AdaCore')
self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL')
self.add_external_author ('Cavium Networks')
self.add_external_author ('Faraday Technology Corp')
self.add_external_author ('Florida State University')
self.add_external_author ('Gerard Jungman')
self.add_external_author ('Greg Colvin and Beman Dawes')
self.add_external_author ('Hewlett-Packard Company')
self.add_external_author ('Intel Corporation')
self.add_external_author ('Information Technology Industry Council')
self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author ('Makoto Matsumoto and Takuji Nishimura')
self.add_external_author ('National Research Council of Canada')
self.add_external_author ('NVIDIA Corporation')
self.add_external_author ('Peter Dimov and Multi Media Ltd')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
self.add_external_author ('Silicon Graphics')
self.add_external_author ('Stephen L. Moshier')
self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author ('The D Language Foundation, All Rights Reserved')
self.add_external_author ('The Go Authors. All rights reserved')
self.add_external_author ('The Go Authors')
self.add_external_author ('The Regents of the University of California')
self.add_external_author ('Unicode, Inc.')
self.add_external_author ('University of Toronto')

class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
# contrib isn't really part of GCC.
self.add_dir ('fixincludes')
self.add_dir ('gcc', GCCFilter())
self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
self.add_dir ('gntools')
self.add_dir ('gotools')
self.add_dir ('include')
# intl is imported from upstream.
self.add_dir ('libada')
self.add_dir ('libatomic')
self.add_dir ('libbacktrace')
self.add_dir ('libc1')
self.add_dir ('libcpp', LibCppFilter())
self.add_dir ('libdecnumber')
# libffi is imported from upstream.
self.add_dir ('libgcc', LibGCCFilter())
self.add_dir ('libfortran')
# libgo is imported from upstream.
self.add_dir ('libgomp')
self.add_dir ('libhsail-rt')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libobjc')
# liboffloadmic is imported from upstream.
self.add_dir ('libphobos', LibPhobosFilter())
self.add_dir ('libquadmath')
# libsanitizer is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('libvtv')
self.add_dir ('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
]
GCCCmdLine().main()

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

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Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

http://llvm.org

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<th>Program</th>
<th>Directory</th>
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<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
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DRuntime: Runtime Library for the D Programming Language

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.s' to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/*Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
  fprintf (FILE, "\t.space %u\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) 
  ( fputs (".comm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
 to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  \
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  \
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
 that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)	
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
 the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)\n sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "."

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

--------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
\" Set up some character translations and predefined strings. \"(-- will
\" give an unbreakable dash, \"(PI will give pi, \"(L" will give a left
\" double quote, and \"(R" will give a right double quote. \"(C+ will
\" give a nicer C++. Capital omega is used to do unbreakable dashes and
\" therefore won't be available. \"(C" and \"(C' expand to `" in nroff,
\" nothing in troff, for use with C<>.
.tr \"(W-
.ds C+ C\v'-.1\v'h'-1p'\v's-2+p'\v'\v'h'-1p'
.ie n \{
 . ds -- \"(W-
 . ds PI pi
 . if (\v'n(.H=4u)&(1m=24u) . ds -- \"(W\v'h'-12u\"(*W\v'h'-12u')" diablo 10 pitch
 . if (\v'n(.H=4u)&(1m=20u) . ds -- \"(W\v'h'-12u\"(*W\v'h'-8u')" diablo 12 pitch
 . ds L" "
 . ds R" "
 . ds C" "
 . ds C" "
br\}
.el\{
 . ds -- |(em|
 . ds PI \p
 . ds L" "
 . ds R" "
 . ds C
 . ds C"
'br\}
\")
\" Escape single quotes in literal strings from groff's Unicode transform.
.ie \v'n(.g .ds Aq \aq
.el .ds Aq'
\")
\" If the F register is >0, we'll generate index entries on stderr for
\" titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
\" entries marked with X<> in POD. Of course, you'll have to process the
\" output yourself in some meaningful fashion.
\")
\" Avoid warning from groff about undefined register 'F'.
.de IX
.. nr rF 0
.if \v'n(.g .if rF .nr rF 1
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 . if \v'nF \{

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SEE ALSO

fdl(7), fsf-funding(7).

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Version 2.1, February 1999

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VendorName: Rebecca Turner
VendorUrl: http://rebecca.org/

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VendorName: Isaac Z. Schlueter
VendorUrl: https://github.com/npm/wrappy

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VendorName: Ben Coe
VendorUrl: https://github.com/yargs/y18n

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VendorName: Evgeny Poberezkin
VendorUrl: https://github.com/epoberezkin/ajv

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VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

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VendorName: Sindre Sorhus
VendorUrl: sindresorhus.com

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URL: https://github.com/oskarhane/ascii-data-table.git
VendorName: Oskar Hane
VendorUrl: http://oskarhane.com/

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URL: git://github.com/mcavage/node-asn1.git
VendorName: Mark Cavage

assert-plus@1.0.0
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VendorName: Mark Cavage

assertion-error@1.1.0
URL: git@github.com:chaijs/assertion-error.git
VendorName: Jake Luer
VendorUrl: http://qualiancy.com

asynckit@0.4.0
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VendorName: Alex Indigo
VendorUrl: https://github.com/alexindigo/asynckit#readme

attr-accept@1.1.3
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VendorName: Andrey Okontchnikov @okontchnikov
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aws4@1.7.0
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Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.05525

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VendorUrl: sindresorhus.com
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VendorUrl: https://github.com/ChALkeR
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URL: git+https://github.com/styled-components/styled-components.git
VendorName: Glen Maddern
VendorUrl: https://styled-components.com/
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whatwg-fetch@2.0.4
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- tests/iojs/test-http-parser-durability.js

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- tests/fixtures/*
  tests/parallel/*
  tests/testpy/*
  tests/common.js
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1.627 postgresql-jdbc 42.2.6

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1.640 java-nats-streaming 0.5.0

1.641 kubernetes-cni 0.7.5 00

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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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# 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

{% panel style="warning", title="Install Tar" %}
Copy requires that *tar* be installed in the container image.
{% endpanel %}

{% method %}

## 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>`

{% sample lang="yaml" %}

```bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```%endmethod%

{% method %}

## 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>`

{% sample lang="yaml" %}

```bash
kubectl cp <some-pod>:/tmp/foo /tmp/bar
```%endmethod%

{% method %}

## Specify the Container

Specify the Container within a Pod running multiple containers.

- `-c <container-name>`

{% sample lang="yaml" %}
```
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
```

`echo` command to output the result of the command:

```
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

## Namespaces

Set the Pod namespace by prefixing the Pod name with `\<namespace>\`.

```
```

### Namespaces

Set the Pod namespace by prefixing the Pod name with `\<namespace>\`.

```
```

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```
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```
```

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/*
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package simulator

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",
            },
        },
    },
}
type LicenseManager struct {
    mo.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 {
            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,
        },
    }

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

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tomb - support for clean goroutine termination in Go.

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mgo - MongoDB driver for Go

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PACKAGE

package goautoneg
import "bitbucket.org/ww/goautoneg"

HTTP Content-Type Autonegotiation.

The functions in this package implement the behaviour specified in http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html

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FUNCTIONS

func Negotiate(header string, alternatives []string) (content_type string)
Negotiate the most appropriate content_type given the accept header
and a list of alternatives.

func ParseAccept(header string) (accept []Accept)
Parse an Accept Header string returning a sorted list
of clauses

TYPES

type Accept struct {
    Type, SubType string
    Q       float32
    Params  map[string]string
}
Structure to represent a clause in an HTTP Accept Header

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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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// 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)
    }
    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 (
    // The following statuses are used to indicate the state of support/deprecation in a given release.
    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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Protocol Buffers for Go with Gadgets

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

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## 1.645 grub 2.16

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Version 3, 29 June 2007

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1.646 jcl-over-slf4j 1.7.25

1.647 pam 1.1.8 3.6ubuntu2

1.647.1 Available under license:

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-------------------------------------------------------------------------
Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
     close(fd);
 }

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+        {
+            PAM_MODUTIL_DEF_PRIVS(privs);
+            /* Get the password entry */
+            pwd = pam_modutil_getpwnam (pamh, user);
+            if (pwd != NULL)
+                {
+                    if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                        pam_syslog(pamh, LOG_ERR,
+                                   "Unable to change UID to %d temporarily\n",
+                                   pwd->pw_uid);
+                        retval = PAM_SESSION_ERR;
+                        goto finished;
+                    }
+                    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                        goto finished;
+                    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
goto finished;
+
if (stat(flag, &s) != 0)
+
    display_file(pamh, "/etc/legal");
+    mkdir(dir, 0700);
+    f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+             S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+    if (f>=0) close(f);
+
finished:
+
    if (pam_modutil_regain_priv(pamh, &privs)) {
        pam_syslog(pamh, LOG_ERR,
                "Unable to change UID back to %d\n", privs.old_uid);
        retval = PAM_SESSION_ERR;
    }
+
    _pam_drop(flag);
+    _pam_drop(dir);
+
    return retval;
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);
+
    /* Display the legal disclaimer only if necessary */
+    retval = display_legal(pamh);
+    return retval;

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1.653 cas server core configuration 5.2.0

1.654 python-cryptography 2.1.4-1ubuntu1.2

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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

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.

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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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

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 I: Requirements and guidelines" and has document numbers ISO/IEC IS

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
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
=====

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.
Hi. I snagged some of your bash functions from your home directory on
the FSF machines (naughty, I know), and I was wondering if you'd let
me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcecdt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:
  Subject: ksh scripts
 } From odin.ins.cwru.edu!chet Tue May  9 10:39:51 1995
 } Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
 } 9 May 95 10:39 PDT
 } Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
 } id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
 } Date: Tue, 9 May 1995 13:36:54 -0400
 } From: Chet Ramey <chet@odin.ins.cwru.edu>
 } To: john@armory.com
 } Subject: ksh scripts
 } Cc: chet@odin.ins.cwru.edu
 } Reply-To: chet@po.cwru.edu
 } Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
 } Read-Receipt-To: chet@po.CWRU.Edu
 } MIME-Version: 1.0
 } Content-Type: text/plain; charset=us-ascii
 } Status: OR
 }
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

```
```
Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

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Version 3, 29 June 2007

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Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

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@c ispell-local-pdict: "ispell-dict"
@c End:

### 1.660 error-prone-annotations 2.3.2

### 1.661 yang-model-util 1.2.3

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1.663 zlib 2.0.4 9ubuntu2

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1.664 netty-handler-proxy 4.1.12

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1.668 cas server support jdbc authentication
5.2.0

1.669 unattended-upgrades
1.1ubuntu1.18.04.11
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1.677 spring-binding 2.4.6

1.678 attr 2.4.48 r0
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```
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```

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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

That's all there is to it!
'A" Automatically generated by Pod::Man 4.11 (Pod::Simple 3.35)
'A"
'A" Standard preamble:
'A" ========================================================================
.de Sp V" Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
.. .de Vb V" Begin verbatim text
.ft CW
.nf
.ne \$1
..
.. .de Ve V" End verbatim text
.ft R
.fi
..
'A" Set up some character translations and predefined strings. \*-- will
\" give an unbreakable dash, \*(PI will give pi, \*(L" will give a left
\" double quote, and \*(R" will give a right double quote. \*(C+ will
\" give a nicer C++. Capital omega is used to do unbreakable dashes and
\" therefore won't be available. \*(C' and \*(C` expand to \'\' in nroff,
\" nothing in troff, for use with C<>.
\tr \>(*W-
.ds C+ C\v'-1v'\h'=-1p'\s-2+h'=-1p'+\s0v'\h'-1p'
.ie n \{
 . ds -- \>(*W-
 . ds PI pi
 . if (\n(.H=4u)&(1m=24u) .ds -- \>(*W-h'=-12u\)(*W-h'=-12u-\" diablo 10 pitch
 . if (\n(.H=4u)&(1m=20u) .ds -- \>(*W-h'=-12u\)(*W-h'=-8u-\" diablo 12 pitch
 . ds L" ""
 . ds R" ""
 . ds C" ""
 . ds C" ""
 \b\}
.ef \{
 . ds -- \|(em|l
 . ds PI \(*p
 . ds L" "
 . ds R" "
 . ds C
 . ds C" "
 \b\}
\"
\" Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(.g .ds Aq \(aq
.el       .ds Aq '\
.el 
\" If the F register is >0, we'll generate index entries on stderr for
\" titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
\" entries marked with X<> in POD. Of course, you'll have to process the
\" output yourself in some meaningful fashion.
\" Avoid warning from groff about undefined register 'F'.
.de IX 
.. .nr rF 0
 .if \n(.g .if rF .nr rF 1
 .if (\n(rF!(\n(.g==0)) \{
 . if \nF \{
 . de IX
 . tm Index:\$1\{\n%t"\$2"
 ..
 . if !\nF==2 \{
 . nr % 0
 . nr F 2
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# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.py --this-year

#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#    update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

def report(self, filename, string):
    if filename:
        string = filename + ':' + string
    sys.stderr.write(string + '
')
    self.num_errors += 1

def ok(self):
    return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'fdl-1.3.xml',
            'copying',
            'copying.lib',
            'copying3',
            'copying3.lib',
            'license',
            'fdl',
            'gpl_v3',
            'fdl-1.3',
            'copying',
            'copying.lib',
            'copying3',
            'copying3.lib',
            'license',
            'fdl',
            'gpl_v3',
            'fdl-1.3',
        ''])
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile(r'^\t')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True

    # Skip auto- and libtool-related files
    'aclocal.m4',
    'compile',
    'config.guess',
    'config.sub',
    'depcomp',
    'install-sh',
    'libtool.m4',
    'ltmain.sh',
    'ltoptions.m4',
    'ltversion.m4',
    'lt~obsolete.m4',
    'missing',
    'mkdep',
    'mkinstalldirs',
    'move-if-change',
    'shlibpath.m4',
    'symlink-tree',
    'ylwrap',

    # Skip FSF mission statement, etc.
    'gnu.texi',
    'funding.texi',
    'appendix_free.xml',

    # Skip imported texinfo files.
    'texinfo.tex',

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists (base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True

    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include ‘.’ for typos.
        ranges = '[0-9]+[\-0-9,\.\s+and\s+]*[0-9]+'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w,.-]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)
# Matches a full copyright notice:
self.copyright_re = re.compile (
    # 1: 'Copyright (C)', etc.
    '((Cc)opyright'
    '[(Cc])opyrights+\[(Cc])'  
    '[(Cc])opyright\%(s'  
    '[(Cc])opyright\&copy;'  
    '[(Cc])opyrights+@copyright\{}'  
    'copyright = u\''  
    '@set\(\(s+copyright\[w-]\)'  
    # 2: the years. Include the whitespace in the year, so that
    # we can remove any excess.
    '\(s*\(\?:' + ranges + '\?\)'
    '\@value\{[^\]}*\}s\)'  
    # 3: 'by ', if used
    '(by\%s)'  
    # 4: the copyright holder. Don't allow multiple consecutive
    # spaces, so that right-margin gloss doesn't get caught
    # (e.g. gnat_ugn.texi).
    '\(' + name + '\(\?\s?' + name + '\)\)'  
    # A regexp for notices that might have slipped by. Just matching
    # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
    # HTML header markers, so check for 'copyright' and two digits.
    self.other_copyright_re = re.compile ('copyright.*[0-9]'[0-9]',
                                            re.IGNORECASE)
    self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
    self.holders = { '@copying': '@copying' }
    self.holder_prefixes = set()  

    # True to 'quilt add' files before changing them.
    self.use_quilt = False  
    # If set, force all notices to include this year.
    self.max_year = None  
    # Goes after the year(s). Could be ',', '.
    self.separator = ','  

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find ('')
while index >= 0:
    self.holder_prefixes.add (holder[:index])
    index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
    else:
        raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith (@value): return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '':
            self.errors.report(pathname,
                               'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete(match):
            try:
                next_line = file.next()
            except StopIteration:
                break

            # If the next line doesn't look like a proper continuation,
            # assume that what we've got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break

            # Merge the lines for matching purposes.
            orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
# Use the standard (C) form.
if intro.endswith('right'):
    intro += ' (C)'
elif intro.endswith('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start(1)] + intro + line[match.end(1):]

# Strip trailing whitespace
line = line.rstrip() + 'n'

return (line != orig_line, line, next_line)

def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter(dir, filename)
    mode = None
    with open(pathname, 'r') as file:
        prev = None
        mode = os.fstat(file.fileno()).st_mode
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match(line)):
                    match = self.copyright_re.search(line)
                    if match:
                        res = self.update_copyright(dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search(line):
                    self.errors.report(pathname,
                                       'unrecognised copyright: %s'
                                       % line.strip())
lines.append (line)
line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open (tmp_pathname, 'w') as file:
        for line in lines:
            file.write (line)
        os.fchmod (file.fileno(), mode)
    if self.use_quilt:
        subprocess.call (['quilt', 'add', pathname])
    os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', """quilt add" files before changing them",
                        self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice",
                        self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler
def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n' % sys.argv[0])
    format = '%s\n' % sys.argv[0]
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
')
    format = '%-25s
' % sys.argv[0]
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '
')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
self.copyright.process_tree (dir, filter)

if count == 0:
    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

    class GCCFilter (GenericFilter):
        def __init__ (self):
            GenericFilter.__init__ (self)

            self.skip_files |= set ([
                # Not part of GCC
                'math-68881.h',
            ])

            self.skip_dirs |= set ([
                # Better not create a merge nightmare for the GNAT folks.
                'ada',

                # Handled separately.
                'testsuite',
            ])

            self.skip_extensions |= set ([
                # Maintained by the translation project.
                '.po',

                # Automatically-generated.
                '.pot',
            ])

#------------------------
self.fossilised_files |= set(
    # Old news won't be updated.
    'ONEWS',
)

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
            )

    def skip_file(self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
            return True

        # Similarly params/README.
        if filename == 'README' and os.path.basename(dir) == 'params':
            return True

        if filename == 'pdt_5.f03' and os.path.basename(dir) == 'gfortran.dg':
            return True

        return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
            )
class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ({
            # Imported from GLIBC.
            'soft-fp',
        })

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ({
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        })

        self.skip_dirs |= set ({
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        })

        self.own_files |= set ({
            # Contains markup around the copyright owner.
            'spine.xml',
        })

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// \(C\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__(self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('gotools')
self.add_dir('include')
# intl is imported from upstream.
self.add_dir('libada')
self.add_dir('libatomic')
self.add_dir('libbacktrace')
self.add_dir('libcc1')
self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecnumber')
# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libfortran')
# libgo is imported from upstream.
self.add_dir('libgomp')
self.add_dir('libhsail-rt')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libobjc')
# liboffloadmic is imported from upstream.
self.add_dir('libquadmath')
# libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')
self.add_dir('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
    'libobjc',
    'libssp',
    'libstdc++-v3',
    'libvtv',
    'lto-plugin',
]
GCCmdLine().main()

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

compiler_rt License

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Program             Directory
-------             ---------
mach_override       lib/interception/mach_override

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `. : 's to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE, SIZE)  
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
( fputs (".comm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))
#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
   ( fputs (".lcomm ", (FILE)),
    assemble_name ((FILE), (NAME)),
    fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
   that says to advance the location counter 
   to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)
   if ((LOG)!==0) fprintf ((FILE), "\t.align %d
", (LOG))

/* This is how to store into the string BUF 
   the symbol_ref name of an internal numbered label where 
   PREFIX is the class of label and NUM is the number within the class. 
   This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
   sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_
"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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runs, or a compiler used to produce the work, or an object code interpreter
used to run it.
</para>
<para>
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the work is specifically designed to require, such as by intimate data
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</para>
</listitem>

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</para>
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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * 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
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* M. Welsh, 6 July 1996
* 
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<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

#!/usr/bin/python
#
# Copyright (C) 2013-2017 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
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# any later version.

# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
By default the script will update all directories for which the output has been vetted. You can instead pass the names of individual directories, including those that haven’t been approved. So:

```
# update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update all copyright notices (and possibly at other times to check whether new files have been added with old years). On the other hand:
#
# update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before this script is run. There's already a separate procedure for that.
```

```python
import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['COPYING'])
```
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('	')
    return None

def skip_file (self, dir, filename):

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('	')
    return None

def skip_file (self, dir, filename):
if filename in self.skip_files:
    return True

(base, extension) = os.path.splitext (os.path.join (dir, filename))
if extension in self.skip_extensions:
    return True

if extension == '\.in':
    # Skip .in files produced by automake.
    if os.path.exists (base + '\.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists (base + '\.def')
        and os.path.exists (base + '\.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '\.ac'):
            return True

        if os.path.exists (base + '\.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True

    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include \ for typos.
        ranges = '[0-9][?[-0-9,.,\s]\s+and\s+]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
name = '[\w.\-]'

# Matches one year.
self.year_re = re.compile ('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile (ranges + ' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile (  
    # 1: 'Copyright (C)', etc.
    '([Cc]opyright'  
    '([Cc]opyright\s+\([Cc]\))'  
    '([Cc]opyright\s+%s'  
    '([Cc]opyright\s+&copy;'  
    '([Cc]opyright\s+@copyright\s')  
    '[copyright = ul]'  
    '[@setss+copyright\s-]+')

# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
    '\s*(?:' + ranges + ',?  
    '@value\{[^}]*\})\s*')

# 3: 'by ', if used
    '(by|s)+)?'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
    '( + name + '(?:\s? + name + )*)?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
sel.other_copyright_re = re.compile ( 'copyright.*[0-9][0-9]',  
    re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+//+|@c |dnl ')  
self.holders = { '@copying': '@copying' }  
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ' , '.
self.separator = ' '  

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

    def parse_year (self, string):
        year = int (string)
        if len (string) == 2:
            if year > 70:
                return year + 1900
            elif len (string) == 4:
                return year
            raise self.BadYear (string)
        return year

    def year_range (self, years):
        year_list = [self.parse_year (year)
                     for year in self.year_re.findall (years)]
        assert len (year_list) > 0
        return (min (year_list), max (year_list))

    def set_use_quilt (self, use_quilt):
        self.use_quilt = use_quilt

    def include_year (self, year):
        assert not self.max_year
        self.max_year = year

    def canonicalise_years (self, dir, filename, filter, years):
        # Leave texinfo variables alone.
        if years.startswith ('@value '):
            return years

(min_year, max_year) = self.year_range (years)

# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file (dir, filename):
    max_year = max (max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('
@set\n'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != ':
            self.errors.report (pathname,
                               'trailing characters in @set: '
                               + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete (match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
                intro = match.group (1)
                if intro.startswith ('@set\n'):
                    # Texinfo year variables should always be on one line
                    after_years = line[match.end (2):].strip()
                    if after_years != ':
                        self.errors.report (pathname,
                                           'trailing characters in @set: '
                                           + after_years)
                        return (False, orig_line, next_line)
                        else:
            # If the next line doesn't look like a proper continuation,
# assume that what we've got is complete.
continuation = self.strip_continuation (next_line)
if not self.continuation_re.match (continuation):
    break

# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
    self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

line = (line[:match.start (2)]
    + ('' if intro.startswith ('copyright = ') else ' ')
    + canon_form + self.separator
    + line[match.end (2):])

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + 'n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False

    line_filter = filter.get_line_filter (dir, filename)
    mode = None

    with open (pathname, 'r') as file:
        prev = None
        mode = os.fstat (file.fileno()).st_mode

        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                        file, line, match)
                        (this_changed, line, next_line) = res
changed = changed or this_changed

# Check for copyright lines that might have slipped by.
elif self.other_copyright_re.search(line):
    self.errors.report(pathname,
                      'unrecognised copyright: %s
                    % line.strip())
    lines.append(line)
    line = next_line

# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open(tmp_pathname, 'w') as file:
        for line in lines:
            file.write(line)
            os.fchmod(file.fileno(), mode)
    if self.use_quilt:
        subprocess.call(['quilt', 'add', pathname])
    os.rename(tmp_pathname, pathname)

def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in range(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
                % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
    def __init__(self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright(self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option('--help', 'Print this help', self.o_help)
        self.add_option('--quilt', '"quilt add" files before changing them',

def add_option(self, name, help, handler):
    self.option_help.append((name, help))
    self.option_handlers[name] = handler

def add_dir(self, dir, filter=GenericFilter()):
    self.dirs.append((dir, filter))

def o_help(self, option=None):
    sys.stdout.write('Usage: %s [options] dir1 dir2...\n\n' % sys.argv[0])
    format = ' %-15s %s
'
    for (what, help) in self.option_help:
        sys.stdout.write(format % (what, help))
    sys.stdout.write('Directories:
')
    format = ' %-25s
'
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len(self.dirs):
            sys.stdout.write(dir + '\n')
        else:
            sys.stdout.write(format % dir)
    sys.exit(0)

def o_quilt(self, option):
    self.copyright.set_use_quilt(True)

def o_this_year(self, option):
    self.copyright.include_year(time.localtime().tm_year)

def main(self):
    for arg in sys.argv[1:]:
        if arg[0] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, '')
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith (canon_dir):
                count += 1
                self.copyright.process_tree (dir, filter)
        if count == 0:
            self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
        sys.exit (0 if self.errors.ok() else 1)

#---------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])
        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
            # Handled separately.
            'testsuite',
        ])
self.skip_extensions |= set([
    # Maintained by the translation project.
    '.po',

    # Automatically-generated.
    '.pot',
])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True
        # Similarly params/README.
        if filename == 'README' and os.path.basename (dir) == 'params':
            return True
        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
        ])

        self.skip_extensions |= set([
            # Maintained by the translation project.
        ])

        self.fossilised_files |= set([
            # Old news won't be updated.
            'ONEWS',
        ])

        def __init__ (self):
            GenericFilter.__init__ (self)

            self.skip_extensions |= set([
                # Maintained by the translation project.
                '.po',

                # Automatically-generated.
                '.pot',
            ])

            self.fossilised_files |= set([
                # Old news won't be updated.
                'ONEWS',
            ])

class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

        def skip_file (self, dir, filename):
            # g++.niklas/README contains historical copyright information
            # and isn't updated.
            if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
                return True
            # Similarly params/README.
            if filename == 'README' and os.path.basename (dir) == 'params':
                return True
            return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
        ])

        self.fossilised_files |= set([
            # Old news won't be updated.
            'ONEWS',
        ])

        def __init__ (self):
            GenericFilter.__init__ (self)

            self.skip_extensions |= set([
                # Maintained by the translation project.
                '.po',

                # Automatically-generated.
                '.pot',
            ])

            self.fossilised_files |= set([
                # Old news won't be updated.
                'ONEWS',
            ])
`.po`,

  # Automatically-generated.
  `.pot`,
)

class LibGCCFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_dirs |= set (|
      # Imported from GLIBC.
      'soft-fp',
    |)

class LibStdCxxFilter (GenericFilter):
  def __init__ (self):
    GenericFilter.__init__ (self)

    self.skip_files |= set (|
      # Contains no copyright of its own, but quotes the GPL.
      'intro.xml',
    |)

    self.skip_dirs |= set (|
      # Contains automatically-generated sources.
      'html',
      
      # The testsuite data files shouldn't be changed.
      'data',
      
      # Contains imported images
      'images',
    |)

    self.own_files |= set (|
      # Contains markup around the copyright owner.
      'spine.xml',
    |)

def get_line_filter (self, dir, filename):
  if filename == 'boost_concept_check.h':
    return re.compile ('
(C) Copyright Jeremy Siek')
  return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
  def __init__ (self, errors):
    Copyright.__init__ (self, errors)
canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author('Free Software Foundation', canon_fsf)
self.add_package_author('Free Software Foundation.', canon_fsf)
self.add_package_author('Free Software Foundation Inc.', canon_fsf)
self.add_package_author('Free Software Foundation, Inc', canon_fsf)
self.add_package_author('The Free Software Foundation', canon_fsf)
self.add_package_author('The Free Software Foundation, Inc', canon_fsf)
self.add_package_author('Software Foundation, Inc.', canon_fsf)

self.add_external_author('ARM')
self.add_external_author('AdaCore')
self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author('Cavium Networks.')
self.add_external_author('Faraday Technology Corp.')
self.add_external_author('Florida State University')
self.add_external_author('Greg Colvin and Beman Dawes.')
self.add_external_author('Hewlett-Packard Company')
self.add_external_author('Intel Corporation')
self.add_external_author('Information Technology Industry Council.')
self.add_external_author('James Theiler, Brian Gough')
self.add_external_author('Makoto Matsumoto and Takuji Nishimura.')
self.add_external_author('National Research Council of Canada.')
self.add_external_author('NVIDIA Corporation')
self.add_external_author('Peter Dimov and Multi Media Ltd.')
self.add_external_author('Peter Dimov')
self.add_external_author('Pipeline Associates, Inc.')
self.add_external_author('Regents of the University of California.')
self.add_external_author('Silicon Graphics Computer Systems, Inc.')
self.add_external_author('Silicon Graphics')
self.add_external_author('Stephen L. Moshier')
self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author('The Go Authors. All rights reserved.')
self.add_external_author('The Regents of the University of California.')
self.add_external_author('Unicode, Inc.')
self.add_external_author('University of Toronto.')

class GCCCmdLine(CmdLine):
def __init__(self):
    CmdLine.__init__(self, GCCCopyright)
    self.add_dir('.', TopLevelFilter())
    # boehm-gc is imported from upstream.
    self.add_dir('config', ConfigFilter())
    # contrib isn't really part of GCC.
self.add_dir('fixincludes')
self.add_dir('gcc', GCCFilter())
self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
self.add_dir('gnatools')
self.add_dir('gotools')
self.add_dir('include')
# intl is imported from upstream.
self.add_dir('libada')
self.add_dir('libatomic')
self.add_dir('libbacktrace')
self.add_dir('libcc1')
# libcilkts is imported from upstream.
self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecnumber')
# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libgfortran')
# libgo is imported from upstream.
self.add_dir('libgomp')
self.add_dir('libhsail-rt')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libobjc')
# liboffloadmic is imported from upstream.
self.add_dir('libquadmath')
# libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libtv')
self.add_dir('lt0-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
]
GCChCmdLine().main()

" Automatically generated by Pod::Man 2.27 (Pod::Simple 3.28)
" Standard preamble:
=======================================================================
.de Sp " Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
.de Vb " Begin verbatim text
.ft CW
.nf
.ne \$1
.de Ve " End verbatim text
.ft R
.fi

Set up some character translations and predefined strings. \"(-- will
\" give an unbreakable dash, \"(PI will give pi, \"(L" will give a left
\" double quote, and \"(R" will give a right double quote. \"(C+ will
\" give a nicer C++. Capital omega is used to do unbreakable dashes and
\" therefore won't be available. \"(C` and \"(C' expand to ` in nroff,
\" nothing in troff, for use with C<>.
.tr \(*W-.
.ds C+ C\v'-.1v\h'-1p\s-2+\h'-1p+\s0\v'.1v\h'-1p'
.ie n \{
 . ds -- \(*W-
 . ds PI pi
 . if (n.H=4u)&(1m=24u) .ds -- \(*W\h'-12u\(*W\h'-12u\(*W\h'-12u\(*W\h'-12u\h'-1p +\s0\v'.1v\h'-1p'
 .el\{
 . ds L" "
 . ds R" "
 . ds C" "
 . ds C' "
 'br'}
 .el\{
 . ds -- \{|(em|}
 . ds PI "+p
 . ds L" "
 . ds R" "

Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.07233
Escape single quotes in literal strings from groff's Unicode transform.

If the F register is turned on, we'll generate index entries on stderr for titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index entries marked with X<> in POD. Of course, you'll have to process the output yourself in some meaningful fashion.

Avoid warning from groff about undefined register 'F'.

Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

fudge factors for nroff and troff

if n {
    ds #H 0
    ds #V .8m
    ds #F .3m
    ds #[ \f1
    ds #] \fP
}
if t {
    ds #H ((1u-(\\n(.fu%2u))*1.13m)
    ds #V .6m
    ds #F 0
    ds #[ \&
    ds #] \&
" simple accents for nroff and troff
.if n \{
 .ds ' \&
 .ds ` \&
 .ds ^ \&
 .ds , \&
 .ds ~ ~
 .ds / 
 .}
.if t \{
 .ds \k:h'-(\n(wu+8/10-*)(#H)\h'\n:u'
 .ds ^\k:h'-(\n(wu+11/11-*)(#H)^\h'\n:u'
 .ds ,\k:h'-(\n(wu+8/10)'\h'\n:u'
 .ds ~ \k:h'-(\n(wu-1-*)(#H)-~\h'\n:u'
 .ds / \k:h'-(\n(wu+8/10-*)(#H)\h'(s)\h'\n:u'
 .}
." troff and (daisy-wheel) nroff accents
.ds : \k:h'-(\n(wu+8/10-*)(#H+1.1m+*(*F)'v'~*(*V)'\h'\n:u'
.ds 8 \h'(\n(wu+8/10-*)(#H)'\h'\n:u'
.ds o \k:h'-(\n(wu+11/10-*)(#H)/2\h'\n:u'
.ds d- \h'(\n(wu+11/10-*)(#H)'\h'\n:u'
.ds D- D\h'-(\n(wu+11/10-*)(#H)'\h'\n:u'
.ds th \h'(\n(wu+11/10-*)(#H)'\h'\n:u'
.ds Th \h'(\n(wu+11/10-*)(#H)'\h'\n:u'
.ds ae a\h'-(\n(wu+11/10-*)(#H)'\h'\n:u'
.ds Ae A\h'-(\n(wu+11/10-*)(#H)'\h'\n:u'
.if v .ds ~ \k:h'-(\n(wu+9/10-*)(#H)\h'\n:u'
.if v .ds ^ \k:h'-(\n(wu+11/10-*)(#H)^\h'\n:u'
.if \n(H>23 .if \n(V>19 
 .}
 .ds : e
 .ds 8 ss
 .ds o a
 .ds d- d\h'-(ga
 .ds D- D\h'-(hy
 .ds th \h'bp'
 .ds Th \h'LP'
 .ds ae ae
 .ds Ae AE
 .}
.rm #[ #] #H #V #F C
"=======================================================================
.IX Title "GPL 7"
.TH GPL 7 "2018-12-06" "gcc-7.4.0" "GNU"
"For nroff, turn off justification. Always turn off hyphenation; it makes
way too many mistakes in technical documents.

.SH "NAME"

GPL - GNU General Public License

.SH "DESCRIPTION"

IX Header "DESCRIPTION"

IX Subsection "GNU General Public License"

IX Subsection "Version 3, 29 June 2007"

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

/****************************************************************************
/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
   adapted to BSD conventions for symbol names and debugging.)
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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
(,fputs (".comm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))
/* This says how to output an assembler line 
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
  ( fputs (".lcomm ", (FILE)),			  
  assemble_name ((FILE), (NAME)),		  
  fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
  ( fputs (".lcomm ", (FILE)),			  
  assemble_name ((FILE), (NAME)),		  
  fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
that says to advance the location counter 
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)	  
  if ((LOG)!=0) fprintf ((FILE), 	"t.align %d
", (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class. 
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)	  
  sprintf ((BUF), 	"*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_
"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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David Megginson <sax@megginson.com>
1998-05-11
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import org.somewhere.ws.EchoResponse;

public class CopyingResponse extends EchoResponse {

    public CopyingResponse() {}

    public CopyingResponse(EchoRequest request) {
        content = request.getContent();
    }
}

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public interface Legal extends Remote {};
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#
# Version

# Uses Fedora Core 6 fonts and file paths.
version=1

# Component Font Mappings

dialog.plain.latin-1=DejaVu LGC Sans
dialog.plain.japanese-x0208=Sazanami Gothic
dialog.plain.korean=Baekmuk Gulim
dialog.plain.chinese-big5=AR PL ShanHeiSun Uni
dialog.plain.chinese-gb18030=AR PL ShanHeiSun Uni

dialog.bold.latin-1=DejaVu LGC Sans Bold
dialog.bold.japanese-x0208=Sazanami Gothic
dialog.bold.korean=Baekmuk Gulim
dialog.bold.chinese-big5=AR PL ShanHeiSun Uni
dialog.bold.chinese-gb18030=AR PL ShanHeiSun Uni

dialog.italic.latin-1=DejaVu LGC Sans Oblique
dialog.italic.japanese-x0208=Sazanami Gothic
dialog.italic.korean=Baekmuk Gulim
dialog.italic.chinese-big5=AR PL ShanHeiSun Uni
dialog.italic.chinese-gb18030=AR PL ShanHeiSun Uni

dialog.bolditalic.latin-1=DejaVu LGC Sans Bold Oblique
dialog.bolditalic.japanese-x0208=Sazanami Gothic
dialog.bolditalic.korean=Baekmuk Gulim
dialog.bolditalic.chinese-big5=AR PL ShanHeiSun Uni
dialog.bolditalic.chinese-gb18030=AR PL ShanHeiSun Uni

sansserif.plain.latin-1=DejaVu LGC Sans
sansserif.plain.japanese-x0208=Sazanami Gothic
Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.07375
# Search Sequences

sequence.allfonts=latin-1
sequence.allfonts.Big5=chinese-big5,latin-1
sequence.allfonts.x-euc-jp-bsd=japanese-x0208,latin-1
sequence.allfonts.EUC-KR=korean,latin-1
sequence.allfonts.GB18030=chinese-gb18030,japanese-x0208,korean

# Font File Names

filename.DejaVu_LGC_Sans=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans.ttf
filename.DejaVu_LGC_Sans_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Bold.ttf
filename.DejaVu_LGC_Sans_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Oblique.ttf
filename.DejaVu_LGC_Sans_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-BoldOblique.ttf
filename.DejaVu_LGC_Sans_Mono=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono.ttf
filename.DejaVu_LGC_Sans_Mono_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Bold.ttf
filename.DejaVu_LGC_Sans_Mono_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Oblique.ttf
filename.DejaVu_LGC_Sans_Mono_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-BoldOblique.ttf
filename.DejaVu_LGC_Serif=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif.ttf
filename.DejaVu_LGC_Serif_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Bold.ttf
filename.DejaVu_LGC_Serif_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Oblique.ttf
filename.DejaVu_LGC_Serif_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-BoldOblique.ttf
filename.Sazanami_Gothic=/usr/share/fonts/japanese/TrueType/sazanami-gothic.ttf
filename.Sazanami_Mincho=/usr/share/fonts/japanese/TrueType/sazanami-mincho.ttf
filename.AR_PL_ShianHeiSun_Uni=/usr/share/fonts/chinese/TrueType/uming.ttf
filename.AR_PL_ZenKai_Uni=/usr/share/fonts/chinese/TrueType/ukai.ttf
filename.Baekmuk_Gulim=/usr/share/fonts/korean/TrueType/gulim.ttf
filename.Baekmuk_Batang=/usr/share/fonts/korean/TrueType/batang.ttf

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*/

package build.tools.cldrconverter;

import java.util.Calendar;
import java.util.GregorianCalendar;
import java.util.Locale;
import java.util.TimeZone;

class CopyrightHeaders {
    private static final String ORACLE2012 =
        /*
         * Copyright (c) %d, Oracle and/or its affiliates. All rights reserved.
         */
        "*\n"
        /*
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         */
        "*\n"
        /*
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         * in the Software as well as in the documentation associated with the Data
         */
        "*/


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" */
private static String OPENJDK_AFTER2012 =
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   */
   
   static String getOracleCopyright() {
      int year = getYear();
      return String.format(year > 2012 ? ORACLE_AFTER2012 : ORACLE2012, year);
   }

   static String getUnicodeCopyright() {
      return UNICODE;
   }

   static String getOpenJDKCopyright() {
      int year = getYear();
      return String.format(year > 2012 ? OPENJDK_AFTER2012 : OPENJDK2012, year);
   }

   private static int getYear() {
      return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"),
                              Locale.US).get(Calendar.YEAR);
   }

   // no instantiation
   private CopyrightHeaders() {
   }
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package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 *
 * <p>Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example, for a \{java.io.FilePermission\} object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * \{java.lang.RuntimePermission\},
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 *
 * <p>An important method that must be implemented by each subclass is
 * the \{@code implies\} method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 * Thus, this is not an equality test, but rather more of a
 * subset test.
 *
 * <p>Permission objects are similar to String objects in that they
 * are immutable once they have been created. Subclasses should not
 * provide methods that can change the state of a permission
 * once it has been created.
 *
 * \@see Permissions
 * \@see PermissionCollection
 */
public abstract class Permission implements Guard, java.io.Serializable {

    private static final long serialVersionUID = -563657022231596674L;

    private String name;

    /**
     * Constructs a permission with the specified name.
     *
     * @param name name of the Permission object being created.
     *
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * Implements the guard interface for a permission. The
     * { @code SecurityManager.checkPermission} method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.
     *
     * @param object the object being guarded (currently ignored).
     *
     * @throws SecurityException
     *        if a security manager exists and its
     *        { @code checkPermission} method doesn't allow access.
     *
     * @see Guard
     * @see GuardedObject
     * @see SecurityManager#checkPermission
     *
     */
    public void checkGuard(Object object) throws SecurityException {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null) sm.checkPermission(this);
    }

    /**
     * Checks if the specified permission's actions are “implied by”
     * this object's actions.
     *
     * @param
* This must be implemented by subclasses of Permission, as they are the
* only ones that can impose semantics on a Permission object.
*
* <p>The `implies` method is used by the AccessController to determine
* whether or not a requested permission is implied by another permission that
* is known to be valid in the current execution context.
*
* @param permission the permission to check against.
*
* @return true if the specified permission is implied by this object,
* false if not.
*/

public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <p>
 * Do not use the `equals` method for making access control
 * decisions; use the `implies` method.
 *
 * @param obj the object we are testing for equality with this object.
 *
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <p>
 * The required `hashCode` behavior for Permission Objects is
 * the following:
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
 *  { `hashCode` } method
 *  must consistently return the same integer. This integer need not
 *  remain consistent from one execution of an application to another
 *  execution of the same application.
 * <li>If two Permission objects are equal according to the
 *  { `equals` }
 *  method, then calling the { `hashCode` } method on each of the
 *  two Permission objects must produce the same integer result.
 * </ul>
 *
 * @return a hash code value for this object.
 */
public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a @code java.io.FilePermission,
 * the name will be a pathname.
 *
 * @return the name of this Permission.
 */

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 *
 * both return
 * "read,write" when the @code getActions method is invoked.
 *
 * @return the actions of this Permission.
 */

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the @code PermissionCollection.implies method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
* @return a new PermissionCollection object for this type of Permission, or null if one is not defined.
* /

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to specify the class name, the permission name, and the actions in the following format: ('"ClassName" "name" "actions"'), or ('"ClassName" "name"') if actions list is null or empty.
 * @return information about this Permission.
 * /

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + " " + actions + "")";
    }
}

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gcd.pod
invmod.pod
package java.security.acl;

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */

public interface Permission {

/**
 * Returns true if the object passed matches the permission represented
 * in this interface.
 *
 * @param another the Permission object to compare with.
 *
 * @return true if the Permission objects are equal, false otherwise
 */
public boolean equals(Object another);

/**
 * Prints a string representation of this permission.
 *
 * @return the string representation of the permission.
 */
public String toString();

*/

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1.738 libtextwrapinperl 0.06-7.1

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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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1.754 glibc 2.28 r0
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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.755 gcc 6.3.0-r4

1.755.1 Available under license:

fix issues with fortify-headers and the way openssh handles the needed BSD compatible realpath(3).

unconditionally use the provided realpath() as otherwise cross-builds would try to use musl realpath() which is posix compliant and not working to openssh expectations.

diff -ru openssh-7.2p2.orig/openbsd-compat/openbsd-compat.h openssh-7.2p2/openbsd-compat/openbsd-compat.h
--- openssh-7.2p2.orig/openbsd-compat/openbsd-compat.h	2016-03-09 20:04:48.000000000 +0200
@@ -68,17 +68,7 @@
 void *reallocarray(void *, size_t, size_t);
 #endif

-#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
-/*
-* glibc's FORTIFY_SOURCE can redefine this and prevent us picking up the
-* compat version.
-* */
-# ifdef BROKEN_REALPATH
-# define realpath(x, y) _ssh_compat_realpath(x, y)
-# endif
-
-void *reallocarray(void *, size_t, size_t);
"endif"

-#ifdef HAVE_RRESVPORT_AF
-int rresvport_af(int *alport, sa_family_t af);
-diff -ru openssh-7.2p2.orig/openbsd-compat/realpath.c openssh-7.2p2/openbsd-compat/realpath.c
--- openssh-7.2p2.orig/openbsd-compat/realpath.c	2016-03-09 20:04:48.000000000 +0200
+diff -ru openssh-7.2p2.orig/openbsd-compat/realpath.c openssh-7.2p2/openbsd-compat/realpath.c
--- openssh-7.2p2.orig/openbsd-compat/realpath.c	2016-03-09 20:04:48.000000000 +0200
```c
#include "includes.h"

#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
+#if 1

#include <sys/types.h>
#include <sys/param.h>

* in which case the path which caused trouble is left in (resolved).
*
char *
-realpath(const char *path, char *resolved)
+ssh_realpath(const char *path, char *resolved)
{
  struct stat sb;
  char *p, *q, *s;
  
  if (realpath(path, resolvedname) == NULL) {
+    if (ssh_realpath(path, resolvedname) == NULL) {
      send_status(id, errno_to_portable(errno));
    } else {
      Stat s;
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pkgnname=perl-software-license
_pkgreal=Software-License
pkgver=0.103004
pkgrele=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends=""
depends="cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

_builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
    cd "$_builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make && make test
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35  Software-License-0.103004.tar.gz"
# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
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pkgname=perl-bsd-resource
(pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=1
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
_builddir="$_srcdir/$_pkgreal-$pkgver"

prepare() {
    cd "$_builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    cd "$_builddir"
    export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
    make && make test || return 1
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" \(--name perllocal.pod --name .packlist\) -delete
}

md5sums="3c6dd2fa953088aa87e263f40818d012  BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06  BSD-Resource-1.2909.tar.gz"
sha512sums="5f489eac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd85743363750157943c7f7700276ccee2bd40a429fa430  BSD-Resource-1.2909.tar.gz"

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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"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"

_builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
    cd "$_builddir"
    update_config_sub || return 1
}
build() {
    cd "$_builddir"
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \
        || return 1
    make || return 1
}
package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302  libart_lgpl-2.3.21.tar.bz2"
--- a/expected/plluatest.out
+++ b/expected/plluatest.out
@@ -232,8 +232,8 @@
1 | name  | data
(1 row)
+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);
-NOTICE: CREATE TABLE / PRIMARY KEY will create implicit index "tree_pkey" for table "tree"
CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$
    local p = server.prepare("insert into "$t" values($1, $2, $3)",
        {"int4", "int4", "int4"})
$$
--- a/sql/plluatest.sql
+++ b/sql/plluatest.sql
@@ -160,6 +160,7 @@
SELECT * FROM get_rows('name');
+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);

CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$
mini_sendmail - accept email on behalf of real sendmail
$$
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pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=0
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$builddir"/

build() {
    cd "$builddir"
    python3 setup.py build || return 1
}

package() {
    cd "$builddir"
    python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdde62fccfe2b73 flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaed3a525ac3c7da12b1f2ec338c204ce69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90 flake8-copyright-0.2.0.tar.gz"

1.756 cas server support rest 5.2.0

1.757 mysql 5.7.25 0ubuntu0.18.04.2
1.757.1 Available under license:

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* Added generation of field number constants.
Wink Saville <wink@google.com>
* Fixed initialization ordering problem in logging code.
Will Pierce <willp@nuclei.com>
* Small patch improving performance of in Python serialization.
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* HPUX support.
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* Fixes for Solaris 10 32/64-bit confusion.
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* Optimize Java serialization code when writing a small message to a stream.
* 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

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 */

package org.springframework.beans;

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.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 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
 * {@code setValue}, or against a comma-delimited String via {@code setAsText},
 * as String arrays are converted in such a format if the array itself is not
 * assignable.
 *<p>* @author Juergen Hoeller
 * @author Stephane Nicoll
 * @author Rod Johnson
 * @author Rob Harrop
 * @since 4.2
 * @see registerCustomEditor
 * @see #setPropertyValues
 * @see #setPropertyValue
 * @see #getPropertyValue
 * @see BeanWrapper
 * @see PropertyEditorRegistrySupport
 */
public abstract class AbstractNestablePropertyAccessor extends AbstractPropertyAccessor {

/**
 * We'll create a lot of these objects, so we don't want a new logger every time.
 */
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;

/**
 * Create a new empty accessor. Wrapped instance needs to be set afterwards.
 * Registers default editors.
 * @see #setWrappedInstance
 */
protected AbstractNestablePropertyAccessor() {
    this(true);
}

/**
 * Create a new empty accessor. Wrapped instance needs to be set afterwards.
 * @param registerDefaultEditors whether to register default editors
 * (can be suppressed if the accessor won't need any type conversion)
 * @see #setWrappedInstance
 */
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.
protected AbstractNestablePropertyAccessor(Class<?> clazz) {
    registerDefaultEditors();
    setWrappedInstance(BeanUtils.instantiateClass(clazz));
}

protected AbstractNestablePropertyAccessor(Object object, String nestedPath, Object rootObject) {
    registerDefaultEditors();
    setWrappedInstance(object, nestedPath, rootObject);
}

protected AbstractNestablePropertyAccessor(Object object, String nestedPath, AbstractNestablePropertyAccessor parent) {
    setWrappedInstance(object, nestedPath, parent.getWrappedInstance());
    setExtractOldValueForEditor(parent.isExtractOldValueForEditor());
    setAutoGrowNestedPaths(parent.isAutoGrowNestedPaths());
    setAutoGrowCollectionLimit(parent.getAutoGrowCollectionLimit());
    setConversionService(parent.getConversionService());
}

public void setAutoGrowCollectionLimit(int autoGrowCollectionLimit) {
    this.autoGrowCollectionLimit = autoGrowCollectionLimit;
}

public int getAutoGrowCollectionLimit() {
}
public void setWrappedInstance(Object object) {
    wrappedInstance(object, "", null);
}

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();
}

public final String getNestedPath() {
    return this.nestedPath;
}

/*
* 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 ", 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);
    }
}
```java
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 = 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);
    }
}

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);
    }
}

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 + ",
" + tokens.canonicalName + "; returned null");
}

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();
                    } 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);
    }
}

@Override
@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;
            }
        }
        catch (InvalidPropertyException ex) {
            // Consider as not determinable.
        }
    } catch (Exception ex) {
        PropertyChangeEvent pce = new PropertyChangeEvent(
            getRootInstance(), this.nestedPath + tokens.canonicalName, oldValue, pv.getValue());
        throw new MethodInvocationException(pce, ex);
    }
}
return null;
}

@Override
@Nullable
public TypeDescriptor getPropertyTypeDescriptor(String propertyName) throws BeansException {
try {
AbstractNestablePropertyAccessor nestedPa = getAccessorForPropertyPath(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;
}

@Override
public boolean isReadableProperty(String propertyName) {
try {
PropertyHandler ph = getHandler(propertyName);
if (ph != null) {
return ph.isReadable();
}
else {
// Maybe an indexed/mapped property...
getPropertyValue(propertyName);
return true;
}
}
catch (InvalidPropertyException ex) {
// Cannot be evaluated, so can't be readable.
}
return false;
}
@Override
public boolean isWritableProperty(String propertyName) {
    try {
        PropertyHandler ph = getPropertyHandler(propertyName);
        if (ph != null) {
            return ph.isWritable();
        } else {
            // Maybe an indexed/mapped property...
            getPropertyValue(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");
}
}
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) {
List<Object> list = (List<Object>) value;

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 ", propertyName + " threw exception", ex);
}

catch (Exception ex) {
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName,
    "Illegal attempt to get property ", propertyName + " threw exception", ex);
}

/**
 * Return the [PropertyHandler] for the specified [propertyName], navigating
 * if necessary. Return [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 [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 [PropertyHandler] for the specified local [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 [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 [NotWritablePropertyException] for the specified property.
 */
private Object growArrayIfNecessary(Object array, int index, String name) {
    if (!isAutoGrowNestedPaths()) {
        return array;
    }
    int length = Array.getLength(array);
    if (index >= length && index < autoGrowCollectionLimit) {
        Class<?> componentType = array.getClass().getComponentType();
        Object newArray = Array.newInstance(componentType, index + 1);
        System.arraycopy(array, 0, newArray, 0, length);
        for (int i = length; i < Array.getLength(newArray); 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 < 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.
 * @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 {

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        }
    }
throw new NullValueInNestedPathException(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 = newNestedPropertyAccessor(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
        }
    } catch (Exception e) {
        throw new RuntimeException(e);
    }
    return null;
}
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<>();
  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);
        }
        keys.add(actualName);
        actualName = propertyName.substring(keyEnd + PROPERTY_KEY_SUFFIX.length(),
        propertyName.length());
        searchIndex = propertyName.indexOf(PROPERTY_KEY_PREFIX, searchIndex + 1);
      }
    }
  }
  return new PropertyTokenHolder(keys, actualName);
}
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 {
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;

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```java
public abstract TypeDescriptor toTypeDescriptor();

public abstract ResolvableType getResolvableType();

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

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

@Nullable
public Class<?>@ Nullavle 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;

}

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1.766 opencensus-contrib-grpc-metrics 0.10.0

1.767 neo4j cypher compiler 3.1.9
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1.770 hazelcast-all 3.7.5

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 */
package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }

    @Override
    public int hashCode() {
        return 37;
    }

    @Override
    public String toString() {
        return "<deny all permissions>";
    }
}
@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}

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 */

package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}

return mask;

}  

public TopicPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    return mask;
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
    mask |= PUBLISH;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
return mask;

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashcode;

    public ClusterPermission(String name) {
        super(name);
    }

    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

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     */

    package com.hazelcast.security.permission;

    import java.security.Permission;
    import java.security.PermissionCollection;

    public abstract class ClusterPermission extends Permission {

        private int hashcode;

        public ClusterPermission(String name) {
            super(name);
        }

        public PermissionCollection newPermissionCollection() {
            return new ClusterPermissionCollection(getClass());
        }
    }
@Override
public int hashCode() {
    if (hashcode == 0) {
        final int prime = 31;
        int result = 1;
        if (getName() == null) {
            result = prime * result + 13;
        } else {
            result = prime * result + getName().hashCode();
        }
        hashcode = result;
    }
    return hashcode;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    ClusterPermission other = (ClusterPermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    return true;
}

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*/
package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) { 

    }

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) { 

    }

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) { 

    }

}
super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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*/
	package com.hazelcast.security.permission;
	public class MultiMapPermission extends MapPermission {

		public MultiMapPermission(String name, String... actions) {
			super(name, actions);
		}
	}
	/*------------------------------------------------------------------------------
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"
package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
                mask |= ACQUIRE;
            } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
                mask |= RELEASE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
return mask;
}
}

package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";

public static final String ACTION_DESTROY = "destroy";
public static final String ACTION_MODIFY = "modify";
public static final String ACTION_READ = "read";
public static final String ACTION_REMOVE = "remove";
public static final String ACTION_LOCK = "lock";
public static final String ACTION_LISTEN = "listen";
public static final String ACTION_RELEASE = "release";
public static final String ACTION_ACQUIRE = "acquire";
public static final String ACTION_PUT = "put";
public static final String ACTION_ADD = "add";
public static final String ACTION_INDEX = "index";
public static final String ACTION_INTERCEPT = "intercept";
public static final String ACTION_PUBLISH = "publish";

public static final String LISTENER_INSTANCE = "instance";
public static final String LISTENER_MEMBER = "member";
public static final String LISTENER_MIGRATION = "migration";

private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();

static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SetPermission(name, actions);
        }
    });
}
public Permission create(String name, String... actions) {
    return new SetPermission(name, actions);
}

PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new
PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {

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@Override
public Permission create(String name, String... actions) {
    return new MapReducePermission(name, actions);
}
});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    ...
PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
if (permissionFactory == null) {
    throw new IllegalArgumentException("No permissions found for service: "+ serviceName);
}
return permissionFactory.create(name, actions);

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package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * @TODO Object Permission
 */

public abstract class InstancePermission extends ClusterPermission {

    protected static final int NONE = 0;
    protected static final int CREATE = 1;

protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}
InstancePermission that = (InstancePermission) permission;
boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
return false;
}
return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}
@Override
public String getActions() {
return actions;
}

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@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}

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 */
package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }

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 */
package com.hazelcast.security.permission;

public class ReplicatedMapPermission
    extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }


mask |= MODIFY;
}
}
return mask;
}

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

@Override
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            boolean more = all;
            @Override
            public boolean hasMoreElements() {
                return more;
            }
            @Override
            public boolean hasNext() {
                return more;
            }
            @Override
            public void remove() {
                throw new UnsupportedOperationException();
            }
            @Override
            public Permission next() {
                throw new UnsupportedOperationException();
            }
        };
    }

    @Override
    public boolean hasMoreElements() {
        return more;
    }
}
@Override
public Permission nextElement() {
    more = false;
    return ALL_PERMISSIONS;
}
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
}
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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
            || (permission instanceof ClusterPermission);
        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        if (permissions instanceof ClusterPermissionCollection) {
            for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
                add(p);
            }
        }
    }
}
public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}
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package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFI;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {

    }
super(name, actions);

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_ADD.equals(action)) {
            mask |= ADD;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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 */

class MapReducePermission {
    // Implementation of MapReducePermission
}

package com.hazelcast.security.permission;

/**
 * To be able to map-reduce from a client in a secure environment
 */
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;

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     */
private static final int REMOVE = 16;
private static final int LISTEN = 32;
private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

public ListPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_ADD.equals(action)) {
        mask |= ADD;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
    return mask;
}

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 */
package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {
    public SetPermission(String name, String... actions) {
        super(name, actions);
    }
}

package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            ...
        }
    }
}
if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_REMOVE.equals(action)) {
    mask |= REMOVE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
} else if (ActionConstants.ACTION_LOCK.equals(action)) {
    mask |= LOCK;
} else if (ActionConstants.ACTION_INDEX.equals(action)) {
    mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}

return mask;

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************************************************************************/

package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int READ = 8;
private static final int ALL = PUT | READ;

public RingBufferPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

1.771 eonasdan bootstrap datetimepicker
4.17.47

1.772 d-bus 1.12.2 1ubuntu1.1

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1.773 perl 5.24.1-3+deb9u5
1.773.1 Available under license :

---
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>.

buildRequires:
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

#!/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 TestInit;
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'";

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

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```

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Julian Seward, jseward@bzip.org
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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: perl
Source: http://www.perl.com/CPAN/src/5.0/
Comment:
This package was debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000.

Upstream Authors:

Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).

Last checked against: Perl 5.24.1

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---------------------------------------------------------
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ext/IPC-Open2/*
ext/IPC-Open3/*
ext/NDBM_File/*
ext/ODBM_File/*
ext/Opcode/*
ext/PerlIO-encoding/*
ext/PerlIO-scalar/*
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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
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1.795 object-cache-api 0.8.4

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1.801 dsn 1.4.6

1.802 pcre 2.56.3 0ubuntu0.18.04.1

1.802.1 Available under license :

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THE BASIC LIBRARY FUNCTIONS
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Written by: Philip Hazel
Email local part: ph10
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1.803 cas-server-core-api-protocol 5.2.0

1.804 libxtst 1.2.2 2.1.el7

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1.805 commons-pool 1.6

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1.806 python-defaults 2.7.15~rc1 1

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

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

A. HISTORY OF THE SOFTWARE

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

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

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

All Python releases are Open Source (see http://www.opensource.org for
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releases have also been GPL-compatible; the table below summarizes
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dh_python2, pycompile, pyclean and debpython module:

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1.807 e2fsprogs 1.42.9 9.el7

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

http://sourceforge.net/projects/e2fsprogs

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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:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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repository from the development branch, please contact me
tytso@mit.edu before you ship. The release schedules for this
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Theodore Ts'o
23-June-2007

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That's all there is to it!

#
# 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) $(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 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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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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1.808 audit 237 3ubuntu10.15

1.809 netty-tcnative 2.0.9

1.810 libcap 2.25-2

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-------------------------------------------------------------------------

1.811 curl 7.66.0 r0

1.811.1 Available under license:

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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.

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1.812 shadow-utils 4.1.5.1-24.el7

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March 26, 2015

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1.819 icu 60.2 r3
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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/\(^.*\)/.o : "/g" > $@; |
 | -s $@ ]] || rm -f $@

%.d: $(srcdir)/%.cpp
 @echo "generating dependency information for $<"
 @$\(SHELL\) -ec "$\(GEN\_DEPS.cc\) "$ < |
 | sed \"s/\(^.*\)/.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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bzip2/libbzip2 version 1.0.4 of 20 December 2006
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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 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 
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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 
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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 
named in Subsection 6a, above, for a charge no more 
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c) If distribution of the work is made by offering access to copy 
from a designated place, offer equivalent access to copy the above 
specified materials from the same place.

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

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

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

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

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

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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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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---------------------------------------------------------------------------

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1.839 pcre 8.39 12
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End

PCRE LICENCE

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel
Email local part: ph10
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PCRE JUST-IN-TIME COMPILATION SUPPORT

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1.840 build-essential 12.4ubuntu1

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1.841 lvm2 1.02.145-4.1ubuntu3.18.04.2

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1.844 ldaptive unboundid 1.2.3

1.845 netty-tcnative-boringssl-static 2.0.9

1.846 spring-boot-devtools 1.5.8

1.847 jersey-guava 2.23.1

1.848 perks 1.5.2 0.7.git269f928.el7

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1.853 kmod 20 9.el7

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1.856 grpc-protobuf-lite 1.9.0

1.857 api-ldap-extras-codec-api 1.0.0

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1.858 pcre 8.39 3

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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1.859 jwt-go 1.5.2 0.7.git269f928.el7

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1.860 grpc-testing 1.24.0

1.861 websocket-server 9.4.8.v20171121
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1.864 slf4j-log4j 1.6.1

1.865 py-asn1 0.4.2 3

1.866 log4j-over-slf4j 1.7.25

1.867 swagger-annotations 1.5.13

1.867.1 Available under license:

```java
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 */

package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */
```
```java
@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 *
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
String url() default "";
}
```

1.868 latencyutils 2.0.3

1.869 liblwp-mediatypes-perl 6.02-1

1.869.1 Available under license:

Maintainer: Gisle Aas <gisle@activestate.com>
Source: http://search.cpan.org/dist/LWP-MediaTypes/
Name: LWP-MediaTypes

Files: *
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1.870 netty-handler 4.1.12

1.871 texinfo 6.5.0.dfsg.1 2

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In the appendix, we print the indices and references.

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In the appendix, we print the indices and references.

<p>In the appendix, we print the indices and references.</p>

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<p>In the appendix, we print the indices and references.</p>

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<meta name="Generator" content="texi2any">
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blockquote.indentedblock { margin-right: 0em}
div.display { margin-left: 3.2em}
div.example { margin-left: 3.2em}
div.lisp { margin-left: 3.2em}
</style>
</head>
<body>
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<html>  
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<head>  
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<title>Appendix A Copying and indices (Top)</title>
<meta name="description" content="Appendix A Copying and indices (Top)">
<meta name="keywords" content="Appendix A Copying and indices (Top)"
<meta name="resource-type" content="document">
<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
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</style>  
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blockquote.indentedblock { margin-right: 0em}
div.display { margin-left: 3.2em}
div.example { margin-left: 3.2em}
div.lisp { margin-left: 3.2em}
kbd { font-style: oblique}
pre.display { font-family: inherit}

</head>  
<body lang="en">
<p>The node you are looking for is at <a href="index.html#Copying-information">Copying information</a>.</p>  
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  - indexed caption copying footnote
  - float_copying_fot.html#index-copying-indexed-caption-copying-footnote

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- Appendix A Copying and floats

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1.873 jetty-http 8.1.7.v20120910
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package org.eclipse.jetty.http;

import java.io.IOException;
import org.eclipse.jetty.io.Buffer;
import org.eclipse.jetty.io.Buffers;
import org.eclipse.jetty.io.ByteArrayBuffer;
import org.eclipse.jetty.io.EndPoint;
import org.eclipse.jetty.io.EofException;
import org.eclipse.jetty.io.View;
import org.eclipse.jetty.util.log.Log;
import org.eclipse.jetty.util.log.Logger;

/* ------------------------------------------------------------- */

/**
 *
 * Currently this class uses a system parameter "jetty.direct.writers" to control
 * two optional writer to byte conversions. buffer.writers=true will probably be
 * faster, but will consume more memory. This option is just for testing and tuning.
 */

public abstract class AbstractGenerator implements Generator
{
    private static final Logger LOG = Log.getLogger(AbstractGenerator.class);

    // states
    public final static int STATE_HEADER = 0;
    public final static int STATE_CONTENT = 2;
    public final static int STATE_FLUSHING = 3;
    public final static int STATE_END = 4;

    public static final byte[] NO_BYTES = {};
// data

protected final Buffers _buffers; // source of buffers
protected final EndPoint _endp;

protected int _state = STATE_HEADER;

protected int _status = 0;
protected int _version = HttpVersions.HTTP_1_1_ORDINAL;
protected Buffer _reason;
protected Buffer _method;
protected String _uri;

protected long _contentWritten = 0;
protected long _contentLength = HttpTokens.UNKNOWN_CONTENT;
protected boolean _last = false;
protected boolean _head = false;
protected boolean _noContent = false;
protected Boolean _persistent = null;

protected Buffer _header; // Buffer for HTTP header (and maybe small _content)
protected Buffer _buffer; // Buffer for copy of passed _content
protected Buffer _content; // Buffer passed to addContent

protected Buffer _date;

private boolean _sendServerVersion;

/**
 * Constructor.
 * @param buffers buffer pool
 * @param io the end point
 */
public AbstractGenerator(Buffers buffers, EndPoint io)
{
    this._buffers = buffers;
    this._endp = io;
}

/* ----------------------------------------------------------------------------------- */
public abstract boolean isRequest();
/* ----------------------------------------------------------------------------------- */
public abstract boolean isResponse();
/* BOOL */

public boolean isOpen()
{
    return _endp.isOpen();
}

/* */

public void reset()
{
    _state = STATE_HEADER;
    _status = 0;
    _version = HttpVersions.HTTP_1_1_ORDINAL;
    _reason = null;
    _last = false;
    _head = false;
    _noContent=false;
    _persistent = null;
    _contentWritten = 0;
    _contentLength = HttpTokens.UNKNOWN_CONTENT;
    _date = null;
    _content = null;
    _method=null;
}

/* */

public void returnBuffers()
{
    if (_buffer!=null && _buffer.length()==0)
    {
        _buffers.returnBuffer(_buffer);
        _buffer=null;
    }

    if (_header!=null && _header.length()==0)
    {
        _buffers.returnBuffer(_header);
        _header=null;
    }

    if (_state>=STATE_FLUSHING)
        throw new IllegalStateException("Flushed");
_last = false;
_persistent=null;
_contentWritten = 0;
_contentLength = HttpTokens.UNKNOWN_CONTENT;
_content=null;
if (_buffer!=null) {
    _buffer.clear();
}

/* ----------------------------------------------- */

/**
 * @return Returns the contentBufferSize.
 */
public int getContentBufferSize()
{
    if (_buffer==null)
        _buffer=_buffers.getBuffer();
    return _buffer.capacity();
}

/* ----------------------------------------------- */

/**
 * @param contentBufferSize The contentBufferSize to set.
 */
public void increaseContentBufferSize(int contentBufferSize)
{
    if (_buffer==null)
        _buffer=_buffers.getBuffer();
    if (contentBufferSize > _buffer.capacity())
    {
        Buffer nb = _buffers.getBuffer(contentBufferSize);
        nb.put(_buffer);
        _buffers.returnBuffer(_buffer);
        _buffer = nb;
    }
}

/* ----------------------------------------------- */
public Buffer getUncheckedBuffer()
{
    return _buffer;
}

/* ----------------------------------------------- */
public boolean getSendServerVersion ()
{
    return _sendServerVersion;
}
```java
/* ----------------------------------------------- */
public void setSendServerVersion (boolean sendServerVersion)
{   
    _sendServerVersion = sendServerVersion;
}

/* ----------------------------------------------- */
public int getState()
{
    return _state;
}

/* ----------------------------------------------- */
public boolean isState(int state)
{
    return _state == state;
}

/* ----------------------------------------------- */
public boolean isComplete()
{
    return _state == STATE_END;
}

/* ----------------------------------------------- */
public boolean isIdle()
{
    return _state == STATE_HEADER && _method==null && _status==0;
}

/* ----------------------------------------------- */
public boolean isCommitted()
{
    return _state != STATE_HEADER;
}

/* ----------------------------------------------- */
/**
   * @return Returns the head.
   */
public boolean isHead()
{
    return _head;
}

/* ----------------------------------------------- */
public void setContentLength(long value)
```
{ 
  if (value<0)
    _contentLength=HttpTokens.UNKNOWN_CONTENT;
  else
    _contentLength=value;
}

/* ............................................................ */
/**
* @param head The head to set.
*/
public void setHead(boolean head)
{
  _head = head;
}

/* ............................................................ */
/**
* @return <code>false</code> if the connection should be closed after a request has been read,
* <code>true</code> if it should be used for additional requests.
*/
public boolean isPersistent()
{
  return _persistent!=null
    ?_persistent.booleanValue()
    :(isRequest()?true:_version>HttpVersions.HTTP_1_0_ORDINAL);
}

/* ............................................................ */
public void setPersistent(boolean persistent)
{
  _persistent=persistent;
}

/* ............................................................ */
/**
* @param version The version of the client the response is being sent to (NB. Not the version
*            in the response, which is the version of the server).
*/
public void setVersion(int version)
{
  if (_state != STATE_HEADER)
    throw new IllegalStateException("STATE!=START "+_state);
  _version = version;
  if (_version==HttpVersions.HTTP_0_9_ORDINAL && _method!=null)
    _noContent=true;
}
public int getVersion()
{
    return _version;
}

public void setDate(Buffer timeStampBuffer)
{
    _date=timeStampBuffer;
}

public void setRequest(String method, String uri)
{
    if (method==null || HttpMethods.GET.equals(method) )
        _method=HttpMethods.GET_BUFFER;
    else
        _method=HttpMethods.CACHE.lookup(method);
    _uri=uri;
    if (_version==HttpVersions.HTTP_0_9_ORDINAL)
        _noContent=true;
}

public void setResponse(int status, String reason)
{
    if (_state != STATE_HEADER) throw new IllegalStateException("STATE!=START");
    _method=null;
    _status = status;
    if (reason!=null)
    {
        int len=reason.length();
        // TODO don't hard code
        if (len>1024)
            len=1024;
        _reason=new ByteArrayBuffer(len);
        for (int i=0;i<len;i++)
char ch = reason.charAt(i);
if (ch!=''&&ch!='
')
    _reason.put((byte)ch);
else
    _reason.put((byte)' ');
}
}

/** Prepare buffer for unchecked writes. *
* Prepare the generator buffer to receive unchecked writes *
* @return the available space in the buffer. *
* @throws IOException *
*/
public abstract int prepareUncheckedAddContent() throws IOException;

/* ------------------------------------------------------------ */
void uncheckedAddContent(int b)
{
    _buffer.put((byte)b);
}

/* ------------------------------------------------------------ */
public void completeUncheckedAddContent()
{
    if (_noContent)
    {
        if(_buffer!=null)
            _buffer.clear();
    }
    else
    {
        _contentWritten+=_buffer.length();
        if (_head)
            _buffer.clear();
    }
}

/* ------------------------------------------------------------ */
public boolean isBufferFull()
{
    if (_buffer != null && _buffer.space()==0)
    {
        if (_buffer.length()==0 && !_buffer.isImmutable())
            _buffer.compact();
        return _buffer.space()==0;
    }
}
return _content!=null && _content.length()>0;
}

/* ------------------------------------------------------------- */
public boolean isWritten()
{
    return _contentWritten>0;
}

/* ------------------------------------------------------------- */
public boolean isAllContentWritten()
{
    return _contentLength>=0 && _contentWritten>=_contentLength;
}

/* ------------------------------------------------------------- */
public abstract void completeHeader(HttpFields fields, boolean allContentAdded) throws IOException;

/* ------------------------------------------------------------- */
/**
 * Complete the message.
 * @throws IOException
 */
public void complete() throws IOException
{
    if (_state == STATE_HEADER)
    {
        throw new IllegalStateException("State==HEADER");
    }

    if (_contentLength >= 0 && _contentLength != _contentWritten && !_head)
    {
        if (LOG.isDebugEnabled())
            LOG.debug("ContentLength written=="+_contentWritten+" != contentLength=="+_contentLength);
        _persistent = false;
    }
}

/* ------------------------------------------------------------- */
public abstract int flushBuffer() throws IOException;

/* ------------------------------------------------------------- */
public void flush(long maxIdleTime) throws IOException
{
// block until everything is flushed
long now=System.currentTimeMillis();
long end=now+maxIdleTime;
Buffer content = _content;
Buffer buffer = _buffer;
if (content!=null && content.length()>0 || buffer!=null && buffer.length()>0 || isBufferFull())
{
    flushBuffer();

    while (now<end && (content!=null && content.length()>0 || buffer!=null && buffer.length()>0) &&
    _endp.isOpen()&& !_endp.isOutputShutdown())
    {
        blockForOutput(end-now);
        now=System.currentTimeMillis();
    }
}

/* ----------------------------------------------------------- */
/**
 * Utility method to send an error response. If the builder is not committed, this call is
 * equivalent to a setResponse, addContent and complete call.
 * *
 * @param code The error code
 * @param reason The error reason
 * @param content Contents of the error page
 * @param close True if the connection should be closed
 * @throws IOException if there is a problem flushing the response
 */
public void sendError(int code, String reason, String content, boolean close) throws IOException
{
    if (close)
        _persistent=false;
    if (isCommitted())
    {
        LOG.debug("sendError on committed: {} {}",code,reason);
    }
    else
    {
        LOG.debug("sendError: {} {}",code,reason);
        setResponse(code, reason);
        if (content != null)
        {
            completeHeader(null, false);
            addContent(new View(new ByteArrayBuffer(content)), Generator.LAST);
        }
        else
        {

```
```java
    completeHeader(null, true);
    }
    complete();
    }
    }

    /* ------------------------------------------------------------- */
    /**
     * @return Returns the contentWritten.
     */
    public long getContentWritten()
    {
        return _contentWritten;
    }

    /* ------------------------------------------------------------- */
    public void blockForOutput(long maxIdleTime) throws IOException
    {
        if (_endp.isBlocking())
        {
            try
            {
                flushBuffer();
            }
            catch(IOException e)
            {
                _endp.close();
                throw e;
            }
        }
        else
        {
            if (!_endp.blockWritable(maxIdleTime))
            {
                _endp.close();
                throw new EofException("timeout");
            }
            flushBuffer();
        }
    }

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1.874 netbase 5.6

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1.877 javax-annotation-api 1.3.2

1.878 goprotobuf 1.5.2 0.7.git269f928.el7

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1.886 semver4j 2.0.3

1.887 spring-expression 5.1.6

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 */

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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);
}

1.888 dom4j 1.6.1
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notice like this when it starts in an interactive mode:

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

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

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

++++++++++++++++

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.
The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

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

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

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

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

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

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1.897 scala 2.12.8

1.898 jaxb-api 2.3.1
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1.908 ecj 3.12.3
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1.911 jacksondatatypejdk 2.9.5

1.912 wheel 0.30.0 0.2

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1.913 ncurses 6.1+20181013 2

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1.914 godbus 1.5.2 0.7.git269f928.el7

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1.915 libedit 20190324.3.1 r0
1.916 passwdqc 1.3.0-1build1

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1.917 man-db 1.22.3 10

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1.918 jdbc-starter 2.1.4

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/* _setjmp is implemented in setjmp.S */

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1.937 apk-tools 2.10.1-r0

1.938 icu-le-hb 1.0.3+git161113-4
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1.939 xmlsec 1.2.25 1build1

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* Cordys R&D BV

* Cryptocom LTD
1.940 coreutils 8.26 3

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1.941 springfox-core 2.9.2

1.942 log4j-jcl 2.8.2

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1.945 spring-framework 5.1.6

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```
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@end small.example
```

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/* Definitions for BSD assembler syntax for Intel 386 (actually AT&T syntax for insns and operands, adapted to BSD conventions for symbol names and debugging.) 
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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.l's to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) 
fprintf (FILE, "t.space " HOST_WIDE_INT_PRINT_UNSIGNED"n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) 
( fputs (".comm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u
", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) 
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) 
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u%n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG) 
if ((LOG)!=0) fprintf ((FILE), 	.align %d
", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */
#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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Version 3.1, 31 March 2009

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Ty Coon, President of Vice

That's all there is to it!

" Automatically generated by Pod::Man 4.09 (Pod::Simple 3.35)

" Standard preamble:

=======================================================================
de Sp \" Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
..
de Vb \" Begin verbatim text
.ft CW
.nl
.ne \$1
..
de Ve \" End verbatim text
.ft R
.fi
..
\" Set up some character translations and predefined strings. \$1-- will
\" give an unbreakable dash, \$1PI will give pi, \$1L" will give a left
\" double quote, and \$1R" will give a right double quote. \$1C+ will
\" give a nicer C++. Capital omega is used to do unbreakable dashes and
\" therefore won't be available. \$1C" and \$1C' expand to `'' in nroff,
\" nothing in troff, for use with C<>.
\" tr \$1W-
\ds C+ C\v-1v\h'-1p\s-2+\h'-1p+\s0v'.1v\h'-1p'
.ie n \{
   . ds -- \$1W- 
   . ds PI pi 
   . if (n.(H=4u)&(1m=24u) .ds -- \$1W\h'-12u/(\$1W\h'-12u') \" diablo 10 pitch
   . if (n.(H=4u)&(1m=20u) .ds -- \$1W\h'-12u/(\$1W\h'-8u') \" diablo 12 pitch
   . ds L" "
   . ds R" "
   . ds C" "
   . ds C' "
   'br\}
.el\{
   . ds -- \$1(em\n]
   . ds PI \$p 
   . ds L" "
   . ds R" "
   . ds C" 
   . ds C'
'br\}
\"$
\" Escape single quotes in literal strings from grof's Unicode transform.
.ie \n(.g .ds Aq \|aq
.el .ds Aq '
\"
\" If the F register is >0, we'll generate index entries on stderr for
\" titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
\" entries marked with X<> in POD. Of course, you'll have to process the
\" output yourself in some meaningful fashion.
\"
\" Avoid warning from groff about undefined register 'F'.
.de IX
.. 
.. if !\nF .nr F 0
.. if \nF>0 \|
 . de IX
 . tm Index:\$1\t\n%	"\$2"
.. 
 . if !\nF==2 \|
 . nr % 0
 . nr F 2
 . \}
\}
\"
\" Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
\" Fear.  Run.  Save yourself.  No user-serviceable parts.
 . \" fudge factors for nroff and troff
.if n \|
 . ds #H 0
 . ds #V .8m
 . ds #F .3m
 . ds #[ \f1
 . ds #] \fP
 .}
.if t \%
 . ds #H ((1u-(\\n(.fu%2u))*.13m)
 . ds #V .6m
 . ds #F 0
 . ds #[ \&
 . ds #] \&
.

 . \" simple accents for nroff and troff
.if n \%
 . ds \'
 . ds \&
 . ds \&
 . ds ^ \&
 . ds , \&
Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.09091

IX Title "GPL 7"
.TH GPL 7 "2018-07-26" "gcc-8.2.0" "GNU"

For nroff, turn off justification. Always turn off hyphenation; it makes
\" way too many mistakes in technical documents.
.if n .ad l
.nh
.SH "NAME"
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SEE ALSO

`gfdl`(7), `sf\-funding`(7).

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--------------------------------------------------------------------------

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

#!/usr/bin/python
#
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#
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# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ' : ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set([('COPYING',
                                 'COPYING.LIB',
                                 'COPYING3',
                                 'COPYING3.LIB',
                                 'LICENSE',
                                 'fdl.texi',
                                 'gpl_v3.texi',
                                 'fdl-1.3.xml',
                                 'gpl-3.0.xml',
                                 
                                 # Skip licence files.
                                 'aclocal.m4',
                                 'compile',
                                 'config.guess',
                                 'config.sub',
                                 })

# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'ltoptions.m4',
'lt.sugar.m4',
'ltversion.m4',
'lt~obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symmlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
]
)

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    else:
        return False

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')):
and os.path.exists (base + '.tpl')):
    return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][?:-0-9,\s]\s+and\s+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w,.-' 

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (
            # 1: 'Copyright (C)', etc.
            '(\[Cc\]opyright\[Cc\]|\[Cc\]opyright\([Cc]\)|
            \[Cc\]opyright\|\([Cc]\))|
        )
def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (""
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find ("", index + 1)

    def add_external_author (self, holder):
        self.holders[holder] = None
class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
match = self.comment_re.match (line)
if match:
    line = line[match.end():].lstrip()
return line

def is_complete (self, match):
    holder = match.group (4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)
    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != ':
            self.errors.report (pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete (match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
                # If the next line doesn’t look like a proper continuation,
                # assume that what we’ve got is complete.
                continuation = self.strip_continuation (next_line)
                if not self.continuation_re.match (continuation):
                    break

            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match (line, match.start())
            assert match
holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
                        'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ') +
            canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'

    return (True, orig_line, line)
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    mode = None
    with open (pathname, 'r') as file:
        prev = None
        mode = os.fstat (file.fileno()).st_mode
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                                        'unrecognised copyright: %s'
                                        % line.strip())
                    lines.append (line)
                    line = next_line

                # If something changed, write the new file out.
                if changed and self.errors.ok():
                    tmp_pathname = pathname + '.tmp'
                    with open (tmp_pathname, 'w') as file:
for line in lines:
    file.write(line)
os.fchmod(file.fileno(), mode)
if self.use_quilt:
    subprocess.call(['quilt', 'add', pathname])
os.rename(tmp_pathname, pathname)

def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in range(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
' % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
    def __init__(self, copyright=Copyright):
        self.errors = Errors()
        self.copyright = copyright(self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option('--help', 'Print this help', self.o_help)
        self.add_option('--quilt', '"quilt add" files before changing them',
                        self.o_quilt)
        self.add_option('--this-year', 'Add the current year to every notice',
                        self.o_this_year)

    def add_option(self, name, help, handler):
        self.option_help.append((name, help))
        self.option_handlers[name] = handler

    def add_dir(self, dir, filter=GenericFilter()):
        self.dirs.append((dir, filter))

    def o_help(self, option=None):
        sys.stdout.write('Usage: %s [options] dir1 dir2...

        Options:
' % sys.argv[0])

    def add_dir(self, self, dir, filter=GenericFilter()):
        self.dirs.append((dir, filter))

    def o_help(self, self, option=None):
        sys.stdout.write('Usage: %s [options] dir1 dir2...

        Options:
' % sys.argv[0])
def main(self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append(arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len(self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len(self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join(chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith(canon_dir):
                        count += 1
                        self.copyright.process_tree(dir, filter)
                if count == 0:
                    self.errors.report(None, 'unrecognised directory: ' + chosen_dir)
                    sys.exit(0 if self.errors.ok() else 1)
    else:
        self.errors.report(None, 'unrecognised option: ' + arg)
        sys.exit(0 if self.errors.ok() else 1)
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set (
            # Not part of GCC
            'math-68881.h',
        )
        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
            # Handled separately.
            'testsuite',
        )
        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        )
        self.fossilised_files |= set (
            # Old news won't be updated.
            'ONEWS',
        )
class TestsuiteFilter (GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

    self.skip_extensions |= set([
        # Don't change the tests, which could be woend by anyone.
        '.c',
        '.C',
        '.cc',
        '.h',
        '.hs',
        '.f',
        '.f90',
        '.go',
        '.inc',
        '.java',
    ])

    def skip_file(self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
            return True
        # Similarly params/README.
        if filename == 'README' and os.path.basename(dir) == 'params':
            return True
        if filename == 'pdt_5.f03' and os.path.basename(dir) == 'gfortran.dg':
            return True
        return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter (GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Imported from GLIBC.
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
            ])
        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
            ])
        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
            ])

    def get_line_filter (self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile ('// \(C\) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)
        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('gotools')
        self.add_dir ('include')
        # intl is imported from upstream.
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcc1')
        self.add_dir ('libc++', LibCppFilter())
self.add_dir ('libdecnumber')
# libffi is imported from upstream.
self.add_dir ('libgcc', LibGCCFilter())
self.add_dir ('libgfortran')
# libgo is imported from upstream.
self.add_dir ('libgomp')
self.add_dir ('libhsail-rt')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libobjc')
# liboffloadmic is imported from upstream.
self.add_dir ('libquadmath')
# libsanitizer is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('libvtv')
self.add_dir ('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
    'libobjc',
    'libssp',
    'libstdc++-v3',
    'libvtv',
    'lto-plugin',
]

GCCCmdLine().main()

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1.956 netkit-telnet 0.17-41

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fix issues with fortify-headers and the way openssh handles the needed BSD compatible realpath(3).

unconditionally use the provided realpath() as otherwise cross-builds would try to use musl realpath() which is posix compliant and not working to openssh expectations.

diff -ru openssh-7.2p2.orig/openbsd-compat/openbsd-compat.h openssh-7.2p2/openbsd-compat/openbsd-compat.h
--- openssh-7.2p2.orig/openbsd-compat/openbsd-compat.h 2016-03-09 20:04:48.000000000 +0200
@@ -68,17 +68,7 @
 void *reallocarray(void *, size_t, size_t);
 #endif

-#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
-/*
- * glibc's FORTIFY_SOURCE can redefine this and prevent us picking up the
- * compat version.
# ifndef BROKEN_REALPATH
# define realpath(x, y) _ssh_compat_realpath(x, y)
#endif

char *realpath(const char *path, char *resolved);
#endif

#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
#include <sys/types.h>
#include <sys/param.h>

int rresvport_af(int *alport, sa_family_t af);

char *
realpath(const char *path, char *resolved)
{ struct stat sb;
    char *p, *q, *s;
    debug3("request %u: realpath", id);
    verbose("realpath \"%s\", path);
    -if (realpath(path, resolvedname) == NULL) {
        +if (ssh_realpath(path, resolvedname) == NULL) {
            send_status(id, errno_to_portable(errno));
        } else {
            Stat s;
            # Automatically generated by apkbuild-cpan, template 1
            # Contributor: Francesco Colista <francesco.colista@gmail.com>
            # Maintainer: Francesco Colista <francesco.colista@gmail.com>
            pkgname=perl-software-license
            
            #endif
        }
    }
    return 0;
}

char *
ssh_realpath(const char *path, char *resolved)
{ struct stat sb;
    char *p, *q, *s;
    debug3("request %u: ssh_realpath", id);
    verbose("ssh_realpath \"%s\", path");
    -if (ssh_realpath(path, resolvedname) == NULL) {
        +if (realpath(path, resolvedname) == NULL) {
            send_status(id, errno_to_portable(errno));
        } else {
            Stat s;
            # Automatically generated by apkbuild-cpan, template 1
            # Contributor: Francesco Colista <francesco.colista@gmail.com>
            # Maintainer: Francesco Colista <francesco.colista@gmail.com>
            pkgname=perl-software-license
            
            #endif
        }
    }
    return 0;
}
_pkgreal=Software-License
pkgver=0.103004
pkgrel=0
pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/
arch="noarch"
license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends="" 
depends="$cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

_builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
cd "$_builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
cd "$_builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
maketest
}

package() {
cd "$_builddir"
makedest="$pkgdir" install || return 1
find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35  Software-License-0.103004.tar.gz"

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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"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"

_builddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
    cd "$_builddir"
    update_config_sub || return 1
}
build() {
    cd "$_builddir"
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \
    || return 1
    make || return 1
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
}
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--- a/sql/plluatest.sql
+++ b/sql/plluatest.sql
@@ -160,6 +160,7 @@
 SELECT * FROM get_rows('name');

+SET client_min_messages = warning;
 CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);

 CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$
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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2909
pkgrel=1
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
c pandepends=""
cpanmakedepends=""
depends=""$c pandepends"
makedeps="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

*_builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
  cd "$_builddir"
  export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  cd "$_builddir"
  export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
  make && make test || return 1
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
    find "$pkgdir" (! -name perllocal.pod -o -name .packlist) -delete
}

md5sums="3c6dd2fa953088aa87e263f40818d012  BSD-Resource-1.2909.tar.gz"
sha256sums="c47d460e2bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06  BSD-Resource-1.2909.tar.gz"
sha512sums="5f489eaac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd85743363750157943c7f7700276ccee2bd40a429fa430  BSD-Resource-1.2909.tar.gz"
mini_sendmail - accept email on behalf of real sendmail

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arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

build() {
    cd "$builddir"
    python3 setup.py build || return 1
}

package() {
    cd "$builddir"
    python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf  flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9ed5b101e68175fcef6d2b353bf36da688fdde62fcccfe2b73  flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaaed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528fafl5d586c3b1be9570f4a977a7e2417b586e543bfbaba12abce256b2023c8c4993eeb90  flake8-copyright-0.2.0.tar.gz"
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c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord
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e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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1.975 commons-lang 3.6

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. The file `src/libs/snprintf/snprintf.c`, written by Mark Martinec
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. The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com>
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  src/preproc/grn/gprint.h
  src/preproc/grn/hdb.cpp
  src/preproc/grn/hgraph.cpp
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  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
Macro Packages
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. The -mdoc macro set, using the BSD license.

  tmac/doc.tmac
  tmac/doc-old.tmac
  tmac/doc-common
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  tmac/groff_mdoc.man

. The -me macro set, using the BSD license.

  tmac/e.tmac
  tmac/groff_me.man
  doc/meintro.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

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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 `dehyptex.tex' (for TeX), which can be found at

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 */
package org.hibernate.jpa.userguide.util;
import javax.persistence.FetchType;
import javax.persistence.ManyToOne;
import javax.persistence.MappedSuperclass;

/**
 * @author Emmanuel Bernard
 */
@MappedSuperclass
public abstract class CopyrightableContent {
    private Author author;

    public CopyrightableContent() {
    }

    public CopyrightableContent(Author author) {
        this.author = author;
    }

    @ManyToOne(fetch = FetchType.LAZY)
    private Author getAuthor() {
        return author;
    }

    private void setAuthor(Author author) {
        this.author = author;
    }

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     */

    // $Id: Permission.java 7736 2005-08-03 20:03:34Z steveebersole $
    package org.hibernate.test.version.db;
    import java.util.Date;

    /**
     * Implementation of Permission.
     */
    @author Steve Ebersole
    /*
    public class Permission {
        private Long id;
        private Date timestamp;
        private String name;
        private String context;
    */
private String access;

public Permission() {
}

public Permission(String name, String context, String access) {
    this.name = name;
    this.context = context;
    this.access = access;
}

public Long getId() {
    return id;
}

public void setId(Long id) {
    this.id = id;
}

public Date getTimestamp() {
    return timestamp;
}

public void setTimestamp(Date timestamp) {
    this.timestamp = timestamp;
}

public String getName() {
    return name;
}

public void setName(String name) {
    this.name = name;
}

public String getContext() {
    return context;
}

public void setContext(String context) {
    this.context = context;
}

public String getAccess() {
    return access;
}

public void setAccess(String access) {
package org.hibernate.test.type.contributor;

import java.util.Arrays;

import org.hibernate.type.descriptor_WRAPPER_OPTIONS;
import org.hibernate.type.descriptor.WrapperOptions;
import org.hibernate.type.descriptor.java.AbstractTypeDescriptor;

/**
 * @author Vlad Mihalcea
 */
public class ArrayTypeDescriptor extends AbstractTypeDescriptor<Array> {

    private static final String DELIMITER = ",";

    public static final ArrayTypeDescriptor INSTANCE = new ArrayTypeDescriptor();

    public ArrayTypeDescriptor() {
        super( Array.class );
    }

    @Override
    public String toString(Array value) {
        StringBuilder builder = new StringBuilder();
        for ( String token : value ) {
            if ( builder.length() > 0 ) {
                builder.append( DELIMITER );
            }
            builder.append( token );
        }
        return builder.toString();
    }

    @Override
    public Array fromString(String string) {
        if ( string == null || string.isEmpty() ) {
            return null;
        }
        String[] tokens = string.split( DELIMITER );
        Array array = new Array();
        array.addAll( Arrays.asList(tokens) );
        return array;
    }

    @SuppressWarnings( { "unchecked" } )
    public <X> X unwrap(Array value, Class<X> type, WrapperOptions options) {

        this.access = access;
    }
}

import java.util.Arrays;

import org.hibernate.type.descriptor.WRAPPER_OPTIONS;
import org.hibernate.type.descriptor.java.AbstractTypeDescriptor;

/**
 * @author Vlad Mihalcea
 */
public class ArrayTypeDescriptor extends AbstractTypeDescriptor<Array> {

    private static final String DELIMITER = ",";

    public static final ArrayTypeDescriptor INSTANCE = new ArrayTypeDescriptor();

    public ArrayTypeDescriptor() {
        super( Array.class );
    }

    @Override
    public String toString(Array value) {
        StringBuilder builder = new StringBuilder();
        for ( String token : value ) {
            if ( builder.length() > 0 ) {
                builder.append( DELIMITER );
            }
            builder.append( token );
        }
        return builder.toString();
    }

    @Override
    public Array fromString(String string) {
        if ( string == null || string.isEmpty() ) {
            return null;
        }
        String[] tokens = string.split( DELIMITER );
        Array array = new Array();
        array.addAll( Arrays.asList(tokens) );
        return array;
    }

    @SuppressWarnings( { "unchecked" } )
    public <X> X unwrap(Array value, Class<X> type, WrapperOptions options) {

        this.access = access;
    }
}
if ( value == null ) {
    return null;
}
if ( Array.class.isAssignableFrom( type ) ) {
    return (X) value;
}
if ( String.class.isAssignableFrom( type ) ) {
    return (X) toString( value);
}
throw unknownUnwrap( type );

public <X> Array wrap(X value, WrapperOptions options) {
    if ( value == null ) {
        return null;
    }
    if ( String.class.isInstance( value ) ) {
        return fromString( (String) value );
    }
    if ( Array.class.isInstance( value ) ) {
        return (Array) value;
    }
    throw unknownWrap( value.getClass() );
}

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permission.java 10977 2006-12-12 23:28:04Z steve.ebersole@jboss.com $ package org.hibernate.test.collection.original;

/**
 * @author Gavin King
 */

public class Permission {
    private String type;
    Permission() {
    }
    public String getType() {
        return type;
    }
    public void setType(String type) {
        this.type = type;
    }
}
public Permission(String type) {
    this.type = type;
}

public boolean equals(Object that) {
    if ( !(that instanceof Permission) ) return false;
    Permission p = (Permission) that;
    return this.type.equals(p.type);
}

public int hashCode() {
    return type.hashCode();
}

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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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with the Library, with the complete machine-readable "work that
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public class LatestAndGreatestConnectionProviderImplContributor1 implements ServiceContributor {
@Override
public void contribute(StandardServiceRegistryBuilder serviceRegistryBuilder) {
    serviceRegistryBuilder.addService(
        ConnectionProvider.class,
        new LatestAndGreatestConnectionProviderImpl()
    );
}

.getLog
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*
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*/

// $Id: Permission.java 7805 2005-08-10 16:25:11Z steveebersole $
package org.hibernate.test.version.sybase;
import java.util.Date;

/**
 * Implementation of Permission.
 *
 * @author Steve Ebersole
 */
public class Permission {
    private Long id;
    private Date timestamp;
    private String name;
    private String context;
    private String access;

    public Permission() {
    }

    public Permission(String name, String context, String access) {
        this.name = name;
        this.context = context;
        this.access = access;
    }

    public Long getId() {
        return id;
    }

    public void setId(Long id) {
        this.id = id;
    }
}
public Date getTimestamp() {
    return timestamp;
}

public void setTimestamp(Date timestamp) {
    this.timestamp = timestamp;
}

public String getName() {
    return name;
}

public void setName(String name) {
    this.name = name;
}

public String getContext() {
    return context;
}

public void setContext(String context) {
    this.context = context;
}

public String getAccess() {
    return access;
}

public void setAccess(String access) {
    this.access = access;
}

package org.hibernate.test.type.contributor;

import java.util.ArrayList;

/**
 * @author Vlad Mihalcea
 */
public class Array extends ArrayList<String> {

    /*
    * Hibernate, Relational Persistence for Idiomatic Java
    *
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    * See the lgpl.txt file in the root directory or <http://www.gnu.org/licenses/lgpl-2.1.html>.
    */
}
import java.util.List;
import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;
import org.hibernate.annotations.Type;
import org.hibernate.cfg.Configuration;
import org.hibernate.query.Query;
import org.hibernate.testing.TestForIssue;
import org.hibernate.testing.junit4.BaseCoreFunctionalTestCase;
import org.hibernate.test.collection.custom.basic.MyList;
import org.junit.Test;
import static org.hibernate.testing.transaction.TransactionUtil.doInHibernate;
import static org.junit.Assert.assertTrue;

/**
 * @author Vlad Mihalcea
 */
@TestForIssue(jiraKey = "HHH-11409")
public classArrayTypeContributorTest extends BaseCoreFunctionalTestCase {

@Override
protected Class<?>[] getAnnotatedClasses() {
    return new Class[] { CorporateUser.class };
}

@Override
protected Configuration constructAndConfigureConfiguration() {
    Configuration configuration = super.constructAndConfigureConfiguration();
    configuration.registerTypeContributor((typeContributions, serviceRegistry) -> {
        typeContributions.contributeType( ArrayType.INSTANCE,
            new String[] {
                MyList.class.getName(),
                ArrayType.INSTANCE.getName()
            });
    });
    return configuration;
}

@Test
public void test() {
    doInHibernate(this::sessionFactory, session -> {
        CorporateUser user = new CorporateUser();
        
    });
}
}
user.setUserName( "Vlad" );
session.persist( user );

user.getEmailAddresses().add( "vlad@hibernate.info" );
user.getEmailAddresses().add( "vlad@hibernate.net" );
});
doInHibernate( this::sessionFactory, session -> {
List<CorporateUser> users = session.createQuery("select u from CorporateUser u where u.emailAddresses = :address", CorporateUser.class)
.setParameter("address", new Array(), ArrayType.INSTANCE)
.getResultList();

assertTrue( users.isEmpty() );
});

@Entity(name = "CorporateUser")
public static class CorporateUser {

@Id
private String userName;

@Type(type = "comma-separated-array")
private Array emailAddresses = new Array();

public String getUserName() {
return userName;
}

public void setUserName(String userName) {
this.userName = userName;
}

public Array getEmailAddresses() {
return emailAddresses;
}

}

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package org.hibernate.test.annotations.manytomany;
import java.util.Date;
import javax.persistence.Entity;
import javax.persistence.Id;

/**
 * @author Emmanuel Bernard
 */
@Entity
public class Permission {
    private String permission;
    private Date expirationDate;

    @Id
    public String getPermission() {
        return permission;
    }

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

    public Date getExpirationDate() {
        return expirationDate;
    }

    public void setExpirationDate(Date expirationDate) {
        this.expirationDate = expirationDate;
    }
}

public class LatestAndGreatestConnectionProviderImplContributor implements ServiceContributor {
    @Override
    public void contribute(standardserviceregistrybuilder serviceregistrybuilder) {

        standardserviceregistrybuilder serviceregistrybuilder) {
// here we will register a short-name for our service strategy
strategyselector selector = serviceregistrybuilder
   .getbootstrapserviceregistry().
   getservice(strategyselector.class);

selector.registerstrategyimplemnotor(
   connectionprovider.class,
   "lag"
   latestandgreatestconnectionproviderimpl.class
);
}
}

This file is part of Hibernate Spatial, an extension to the hibernate ORM solution for spatial (geographic) data.

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package org.hibernate.test.type.contributor;

import org.hibernate.dialect.Dialect;
import org.hibernate.type.AbstractSingleColumnStandardBasicType;
import org.hibernate.type.DiscriminatorType;
import org.hibernate.type.descriptor.sql.VarcharTypeDescriptor;

/**
 * @author Vlad Mihalcea
 */
public class ArrayType
    extends AbstractSingleColumnStandardBasicType<Array>
    implements DiscriminatorType<Array>
{

    public static final ArrayType INSTANCE = new ArrayType();

    public ArrayType() {
        super( VarcharTypeDescriptor.INSTANCE, ArrayTypeDescriptor.INSTANCE );
    }
@Override
public Array stringToObject(String xml) throws Exception {
    return fromString( xml );
}

@Override
public String objectToSQLString(Array value, Dialect dialect) throws Exception {
    return toString( value );
}

@Override
public String getName() {
    return "comma-separated-array";
}

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1.995 spring-webflow-client-repo 1.0.3

1.996 isl 0.19 1
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1.997 spring-boot-starter-tomcat 1.5.8

1.998 libfile-fcntllock-perl 0.22-3build2

1.999 jetty-http 9.2.22.v20170606

1.1000 perl 5.28.1 6

1.1000.1 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.

=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) = $output =~ /copyright 1987.*\b\d\{4,\}\b/i
  or die "Copyright statement not found in perl -v output '$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>.'
buildRequires:
  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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1.1007 libhtml-template-perl 2.97-1

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1.1011 gawk 4.0.2-4.el7_3.1

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1.1012 profiler 1.0.2

1.1013 e2fsprogs 1.44.1 1ubuntu1.2

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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
-  
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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): $(OBSJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBSJS))
$(MV) pic/$(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 $(BSD_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \ 
$(DESTDIR)$(BSD_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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Theodore Ts'o
23-June-2007

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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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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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# 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
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It is currently developed by a community of developers, as well as supported
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1.1033 asm-util 5.2

1.1034 tar 1.32 r0

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

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1.1043 insserv 1.18.0-2

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1.1045 checker-qual 2.0.0

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1.1046 opencensus-contrib-grpc-metrics
0.21.0

1.1047 netty-codec-http 4.1.38

1.1048 jackson-databind 2.9.1
1.1048.1 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
commercially by FasterXML.com.

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1.1050 c-ares 4.1.1 12.el7_6.19

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1.1051 gcc-defaults 7.4.0 1ubuntu2.3

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s' to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/*Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \

/* This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
(fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
(fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line that says to advance the location counter to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
if ((LOG)!=0) fprintf ((FILE), 	.align %d
", (LOG))

/* This is how to store into the string BUF the symbol_ref name of an internal numbered label where PREFIX is the class of label and NUM is the number within the class. This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
sprintf ((BUF), 
	*%s%ld
", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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Version 3.1, 31 March 2009

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#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#    update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write (string + 'n')
        self.num_errors += 1

    def ok (self):
        return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',
            'gpl-3.0.xm',
            ])
# Skip auto- and libtool-related files
'aclocal.m4',
'compile',
'config.guess',
'config.sub',
'depcomp',
'install-sh',
'libtool.m4',
'ltmain.sh',
'lt~obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
]
)

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        return True
    return False
if os.path.exists (base + '.am'):
    return True

# Skip files produced by autogen
if (os.path.exists (base + '.def')
    and os.path.exists (base + '.tpl')):
    return True

# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True

return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]\([-0-9.,\s]\|\s+and\s+\]*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w\s-\]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
self.copyright_re = re.compile (  
    # 1: 'Copyright (C)', etc.
    '(\[Cc\]opyright'  
    '\[Cc\]opyright\s+(\[Cc\])'  
    '\[Cc\]opyright\s+%'  
    '\[Cc\]opyright\s+&copy;'  
    '\[Cc\]opyright\s+@copyright\{\}'  
    '@copyright = u\''  
    '@set\{s+@copyright[\w-]+\}'

    # 2: the years. Include the whitespace in the year, so that
    # we can remove any excess.
    '\(s*(?:\s+_ranges + ',)?
    '@value\{[^{}]*\}\}s*\)'  

    # 3: 'by ', if used
    '(by\s+)?'  

    # 4: the copyright holder. Don't allow multiple consecutive
    # spaces, so that right-margin gloss doesn't get caught
    # (e.g. gnat_ugn.texi).
    '(\+name + (?:\s+)* name + ')#)

    # A regexp for notices that might have slipped by. Just matching
    # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
    # HTML header markers, so check for 'copyright' and two digits.
    self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
        re.IGNORECASE)

    self.comment_re = re.compile('#+|[*]+;+|%+|//+|@c |dnl ')
    self.holders = { '@copying': '@copying' }
    self.holder_prefixes = set()

    # True to 'quilt add' files before changing them.
    self.use_quilt = False

    # If set, force all notices to include this year.
    self.max_year = None

    # Goes after the year(s). Could be ',', '.
    self.separator = ','

    def add_package_author (self, holder, canon_form = None):
        if not canon_form:
            canon_form = holder
        self.holders[holder] = canon_form
        index = holder.find (' ')
        while index >= 0:
            self.holder_prefixes.add (holder[:index])
index = holder.find (',', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
    elif len (string) == 4:
        return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value '):
        return years
    (min_year, max_year) = self.year_range (years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group(1)
    if intro.startswith('@set '):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '':
            self.errors.report (pathname,
                              'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
    else:
        # If it looks like the copyright is incomplete, add the next line.
        while not self.is_complete (match):
            try:
                next_line = file.next()
            except StopIteration:
                break
            # If the next line doesn't look like a proper continuation,
            # assume that what we've got is complete.
            continuation = self.strip_continuation (next_line)
            if not self.continuation_re.match (continuation):
                break

            # Merge the lines for matching purposes.
            orig_line += next_line
            line = line.rstrip() + ' ' + continuation
            next_line = None
# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])
# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C')
line = line[:match.start (1)] + intro + line[match.end (1):

# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    mode = None
    with open (pathname, 'r') as file:
        prev = None
        mode = os.fstat (file.fileno()).st_mode
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                    # Check for copyright lines that might have slipped by.
                    elif self.other_copyright_re.search (line):
                        self.errors.report (pathname,
                                           'unrecognised copyright: %s'
                                           % line.strip())
                        lines.append (line)
                        line = next_line
# If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
with open (tmp_pathname, 'w') as file:
    for line in lines:
        file.write (line)
    os.fchmod (file.fileno(), mode)
if self.use_quilt:
    subprocess.call (["quilt", 'add', pathname])
os.rename (tmp_pathname, pathname)


def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                        self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                        self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):

________
self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n' % sys.argv[0])
    format = '%-15s %s\n'
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('\nDirectories:\n')
    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '\n')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                        self.copyright.process_tree (dir, filter)
                if count == 0:
self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#-------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True
class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)
class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set (
            # Not part of GCC
            'math-68881.h',
            )
        self.skip_dirs |= set (
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
            # Handled separately.
            'testsuite',
            )
        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
            )
class TestsuiteFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        )

    def skip_file (self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
            return True

        # Similarly params/README.
        if filename == 'README' and os.path.basename (dir) == 'params':
            return True

        return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_files |= set ([
        # Contains no copyright of its own, but quotes the GPL.
        'intro.xml',
    ])

    self.skip_dirs |= set ([
        # Contains automatically-generated sources.
        'html',

        # The testsuite data files shouldn't be changed.
        'data',

        # Contains imported images
        'images',
    ])

    self.own_files |= set ([
        # Contains markup around the copyright owner.
        'spine.xml',
    ])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('gotools')
        self.add_dir ('include')
        # intl is imported from upstream.
        self.add_dir ('libada')
        self.add_dir ('libatomic')
self.add_dir('libbacktrace')
self.add_dir('libcc1')
# libcilk is imported from upstream.
self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecnumber')
# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libfortran')
# libgo is imported from upstream.
self.add_dir('libgomp')
self.add_dir('libhsail-rt')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libobjc')
# liboffloadmic is imported from upstream.
self.add_dir('libquadmath')
# libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')
self.add_dir('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
    'libobjc',
    'libssp',
    'libstdc++-v3',
    'libvtv',
    'lto-plugin',
]

GCCCmdLine().main()
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<qandaentry id="faq.what.copyright">
  <question><para>What are the copyrights?</para></question>

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    <para>Please see <ulink url="http://cygwin.com/licensing.html"/>
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\n Escape single quotes in literal strings from groff's Unicode transform.
\n\n If the F register is turned on, we'll generate index entries on stderr for
\n titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
\n entries marked with X<> in POD. Of course, you'll have to process the
\n output yourself in some meaningful fashion.

\n Avoid warning from groff about undefined register 'F'.
\n
.. de IX
\n ..
\n .. nr rF 0
\n .. if \n(g .if rF .nr rF 1
\n .. if (\n(rF:\n(g==0)) \{
\n .. if \nF \{
\n .. de IX
\n .. tm Index:\n$1\n$n%\t$2
\n ..
\n .. if \nF==2 \{
\n .. nr % 0
\n .. nr F 2
\n .. \}
\n .. \}
\n .. rr rF
\n
Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.
\n fudge factors for nroff and troff
\n .. if n \{
\n .. ds \#H 0
\n .. ds \#V .8m
\n .. ds \#F .3m
\n .. ds \#F1
\n .. ds \#F \%P
\n ..
\n .. if t \{
\n .. ds \#H (\(u-\\(u(\(u(fu%2u))*.13m)
\n .. ds \#V .6m
\n .. ds \#F 0
\n .. ds \# \&
\n .. ds \# \%
\n ..
\n simple accents for nroff and troff
\n .. if n \{
\n .. ds \&
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1.1053 grpc-api 1.24.0

1.1054 selinux 2.7-2build2

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27
1.1055 javax-ws-rs-api 2.1

1.1056 slf4j-nop 1.7.22

1.1057 zlib 1.2.11.dfs 0ubuntu2

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1.1058 sed 4.4 1

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@c End:

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1.1069 asm-util 5.0.3

1.1070 reflections 0.9.10

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1.1072 shim 15+1533136590.3beb971 0ubuntu1

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1.1079 libelf 0.8.13 r3

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1.1083 python-secretstorage 2.3.1 2

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parboiled-core
parboiled-scala

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Scala Library

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THE BASIC LIBRARY FUNCTIONS
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Written by: Philip Hazel
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mgo:

mgo - MongoDB driver for Go

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BSON library for Go

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------------------------------------------------
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*******************
History and License
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History of the software
========================

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://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 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 team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). 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 is a sponsoring member of the PSF.

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+----------------+--------------+------------+------------+-----------------+
| Release        | Derived from | Year       | Owner      | GPL compatible? |
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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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Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and
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Asynchronous socket services
----------------------------

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-------------------------------

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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
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- Arguments more compliant with Python standard

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    test_epoll
    --------

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Select kqueue
-------------

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SipHash24
---------
The file `Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note:

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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)

---------------------

The 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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-------

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zlib
----

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-------

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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, 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.

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<td>2.1.2</td>
<td>2002</td>
<td>PSF</td>
<td>yes</td>
</tr>
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</table>
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1.1152 libalgorithmdiff-perl 1.19.03-1

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1.1159 tzdata 2019a-1

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1.1168 findutils 4.6.0+git+20190209 2

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  val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
  val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
}
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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal parameter.
    val x: ((Int, Int) => Int) = (((a, b)) => a)
    ^
not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
    val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)
    ^
not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
    val z: ((Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
    ^
three errors found

1.1171 grpc-context 1.9.0

1.1172 libtext-charwidth-perl 0.04-7.1
1.1172.1 Available under license:

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1.1174 slf4j 1.6.1
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>>> Maven Aether Provider (org.apache.maven:maven-aether-provider)
>>> Maven Model (org.apache.maven:maven-model)
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1.1181 metrics 3.2.5

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1.1183 jackson-datatype-jsr310 2.9.9
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1.1190 kxml 2.3.0

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1.1193 spring-boot-autoconfigure 2.1.7

1.1194 p11-kit 0.23.9 2
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1.1195 aws-sdk-go 1.5.2 0.7.git269f928.el7
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1.1196 animal-sniffer-annotation 1.18

1.1197 language-pack-en-base

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1.1202 libcap 237 3ubuntu10.29

1.1202.1 Available under license:

From: Michael Biebl <biebl@debian.org>
Date: Sun, 17 Dec 2017 00:31:20 +0100
Subject: Revert "udev-rules: Permission changes for /dev/dri/renderD**"

This would introduce a new system group "render". As the name is rather generic, this needs further discussion first, so revert this change for now.

This reverts commit 4efe15473473eb389e97f3eb4f49699161862d8b8b2.b

---
meson.build | 2 --
meson_options.txt | 2 --
rules/50-udev-default.rules.in | 5 +-----
src/login/70-uaccess.rules | 2 +-4 files changed, 2 insertions(+), 9 deletions(-)
diff --git a/meson.build b/meson.build
index c734561..b9e59ec 100644
--- a/meson.build
+++ b/meson.build
@@ -753,7 +753,6 @@ if get_option('wheel-group')
 endif

 substs.set('DEV_KVM_MODE', get_option('dev-kvm-mode'))
-substs.set('GROUP_RENDER_MODE', get_option('group-render-mode'))

 kill_user_processes = get_option('default-kill-user-processes')
 conf.set10('KILL_USER_PROCESSES', kill_user_processes)
@@ -2741,7 +2740,6 @@ status = [
       'minimum container UID base:        @0@'.format(container_uid_base_min),
       'maximum container UID base:        @0@'.format(container_uid_base_max),
       '/dev/kvm access mode:              @0@'.format(get_option('dev-kvm-mode')),
-      'render group access mode:          @0@'.format(get_option('group-render-mode')),
       'certificate root directory:        @0@'.format(get_option('certificate-root')),
       'support URL:                       @0@'.format(support_url),
       'nobody user name:                  @0@'.format(nobody_user),

diff --git a/meson_options.txt b/meson_options.txt
index 39822d6..b1d035f 100644
--- a/meson_options.txt
+++ b/meson_options.txt
@@ -177,8 +177,6 @@ option('nobody-group', type : 'string',
       value : 'nobody')
 option('dev-kvm-mode', type : 'string', value : '0666',
       description : '/dev/kvm access mode')
-option('group-render-mode', type : 'string', value : '0666',
-       description : 'Access mode for devices owned by render group (e.g. /dev/dri/renderD*, /dev/kfd).')
 option('default-kill-user-processes', type : 'boolean',
       description : 'the default value for KillUserProcesses= setting')
 option('gshadow', type : 'boolean',

diff --git a/rules/50-udev-default.rules.in b/rules/50-udev-default.rules.in
index bd4c215..549a4f0 100644
--- a/rules/50-udev-default.rules.in
+++ b/rules/50-udev-default.rules.in
@@ -31,14 +31,11 @@ SUBSYSTEM=="input", KERNEL=="js[0-9]*", MODE="0664"

 SUBSYSTEM=="video4linux", GROUP="video"
 SUBSYSTEM=="graphics", GROUP="video"
-SUBSYSTEM=="drm", KERNEL!="renderD*", GROUP="video"
+SUBSYSTEM=="drm", GROUP="video"
 SUBSYSTEM=="dvb", GROUP="video"
 SUBSYSTEM=="media", GROUP="video"
 SUBSYSTEM=="cec", GROUP="video"
diff --git a/src/login/70-uaccess.rules b/src/login/70-uaccess.rules
index f2c838f..f3a2e66 100644
--- a/src/login/70-uaccess.rules
+++ b/src/login/70-uaccess.rules
@@ -45,7 +45,7 @@ SUBSYSTEM=="firewire", ATTR{units}="*0x00a02d:0x010001*", TAG+="uaccess"
 SUBSYSTEM=="firewire", ATTR{units}="*0x00a02d:0x014001*", TAG+="uaccess"

 # DRI video devices
-SUBSYSTEM=="drm", KERNEL=="card*", TAG+="uaccess"
+SUBSYSTEM=="drm", KERNEL=="card*|renderD*", TAG+="uaccess"

 # smart-card readers
 ENV{ID_SMARTCARD_READER}=="?*", TAG+="uaccess"

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     src/udev/udev-builtin.c
     src/udev/udev-builtin-net_id.c
     src/udev/udev-builtin-net_setup_link.c
     src/udev/udev-builtin-hwdb.c
     src/udev/udev-builtin-btrfs.c
     src/udev/udev-builtin-keyboard.c
     src/udev/net/link-config.h
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1.1208 asm-analysis 5.2

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## libressl

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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.

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1.1216 newt 0.52.20 1ubuntu1

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1.1218 jersey-apache-connector 2.27

1.1219 apt 1.4.9

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THE BASIC LIBRARY FUNCTIONS

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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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1.1232 liburi-perl 1.73-1

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-------------------------------------------------------------------------

Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c
===================================================================
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);
}

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
++

struct passwd *pwd = NULL;
struct stat s;
int f;
/* Get the user name to determine if we need to print the disclaimer */
rc = pam_get_item(pamh, PAM_USER, &user);
if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
{
    PAM_MODUTIL_DEF_PRIVS(privs);

    /* Get the password entry */
pwd = pam_modutil_getpwnam (pamh, user);
if (pwd != NULL)
{
    if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
        pam_syslog(pamh, LOG_ERR,
                "Unable to change UID to %d temporarily\n",
                pwd->pw_uid);
        retval = PAM_SESSION_ERR;
        goto finished;
    }

    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
        goto finished;
    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
        goto finished;

    if (stat(flag, &s) != 0)
    {
        display_file(pamh, "/etc/legal");
        mkdir(dir, 0700);
        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
                           S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
        if (f>=0) close(f);
    }
}
finished:
if (pam_modutil_regain_priv(pamh, &privs)) {
    pam_syslog(pamh, LOG_ERR,
            "Unable to change UID back to %d\n", privs.old_uid);
    retval = PAM_SESSION_ERR;
}

_pam_drop(flag);
_pam_drop(dir);
}
return retval;
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);
  
+ /* Display the legal disclaimer only if necessary */
+ retv = display_legal(pamh);
+ return retv;
}

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.1244 wget 1.19.4 1ubuntu2.2

1.1244.1 Available under license:

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Version 3, 29 June 2007

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1.1253 spring-boot-starter-web 2.1.5

1.1254 bzip2 1.0.6 8.1ubuntu0.2
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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019
1.1255 commons-lang 2.4

1.1256 gettext 2.27 3ubuntu1

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1.1258 apr 1.6.3

1.1259 hsql-db 2.4.0
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 */

1.1260 grpc-protobuf-lite 1.6.0
1.1261 lz4 0.0~r131 2+b1

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1.1266 govmomi 1.5.2 0.7.git269f928.el7
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*/

package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/gove/cli"
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 (
    "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
}
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: mapToKeyValuesSlice(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 {
        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
    return result
}
for _, license := range l {
if HasFeature(license, key) {
    result = append(result, license)
}
}

return result
}
*/

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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 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 {
            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{
        Res: &types.UpdateLicenseLabelResponse{},
    }

    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
                }
            }
        }
    }
}
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 != "" {
        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)
if err != nil {
    return nil, err
}
return &res.Returnval, nil

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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 {

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
    //    LicenseAssigmentManager.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))
}

# People who can (and typically have) contributed to this repository.
# This script is generated by contributors.sh
#

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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()

    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)
    }
    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"
    "github.com/vmware/govmomi/govc"
    "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
    }

    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"
   "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"
)
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))

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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/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 {
    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
    }

    return nil
}
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)
    // Write license output
    tw.Flush()
    // Cleanup
    return nil
}
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)
}
return tw.Flush()
}

#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
  if "$(govic license.ls -json | jq -r .[0].EditionKey)" != "eval" ]; then
    skip "requires evaluation license"
  fi
}

get_key() {
  jq ".[1] | select(LicenseKey == \"$1\")"
}

get_property() {
  jq -r ".Properties[1] | select(Key == \"$1\") | .Value"
}

get_label() {
  govc license.ls -json | jq ".[1] | select(LicenseKey == \"$1\") | .Labels[1] | select(Key == \"$2\") | .Value"
}

get_nlabel() {
  govc license.ls -json | jq ".[1] | select(LicenseKey == \"$1\") | .Labels[1].Key" | wc -l
}

@test "license.add" {
  esx_env

  verify_evaluation

  run govc license.add -json 00000-00000-00000-00000-00001 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" "$(get_key 00000-00000-00000-00000-00001 <<<$[output] | get_property diagnostic)"
assert_equal "License is not valid for this product" "$(get_key 00000-00000-00000-00000-00002 <<<${output} | get_property diagnostic)"
}

@test "license.remove" {
  esx_env
  verify_evaluation
  run govc license.remove -json 00000-00000-00000-00000-00001
  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
  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 "$\left(\text{get\_nlabel} \; \text{$key}\right)"
assert_equal bar2 "$\left(\text{get\_label} \; \text{$key} \; \text{foo}\right)"

run govc license.label.set $key foo ""
assert_success

assert_equal 1 "$\left(\text{get\_nlabel} \; \text{$key}\right)"
assert_equal "" "$\left(\text{get\_label} \; \text{$key} \; \text{foo}\right)"
}
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*/

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))
}
func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:\tScope:\tName:\tLicense:\n")
    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)
    }
    return tw.Flush()
}

1.1267 autotools-dev 20180224.1
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1.1270 libpng 1.6.37

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pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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---------------------------------------------------------------------------

1.1271 caffeine 2.5.6

1.1272 protocol-buffers 3.6.0

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* gzip/zlib I/O support.
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* Added generation of field number constants.
Wink Saville <wink@google.com>
* Fixed initialization ordering problem in logging code.
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* Small patch improving performance of in Python serialization.
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* Emac mode for Protocol Buffers (editors/protobuf-mode.el).
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* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
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* HPUX support.
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* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.
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* Optimize Java serialization code when writing a small message to a stream.
* 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 m4/acx_pthread.m4 problem for some Linux distributions.
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* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>

* Fixed minor IBM xIC compiler build issues
* Added atomicops for AIX (POWER)

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1.1273 gcc 7.3.0 27ubuntu1~18.04

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 (actually AT&T syntax for insns and operands,
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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo assembler, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
( fputs (".comm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ".%d\n", (int)(ROUNDED)))
/* This says how to output an assembler line
   to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
 ( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
 ( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
   that says to advance the location counter
   to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)  
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
  the symbol_ref name of an internal numbered label where
  PREFIX is the class of label and NUM is the number within the class.
  This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)  
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "\n"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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.de Sp \" Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
..
.de Vb \" Begin verbatim text
.ft CW
.nf
.ne \$1
..
.de Ve \" End verbatim text
.ft R
.fi
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\" Set up some character translations and predefined strings. \*(-- will give an unbreakable dash, \*(PI will give pi, \*(L" will give a left double quote, and \*(R" will give a right double quote. \*(C+ will give a nicer C++. Capital omega is used to do unbreakable dashes and therefore won't be available. \*(C` and \*(C' expand to ` in nroff, nothing in troff, for use with C<>.
.tr \)(*W-
.ds C+ C\'-1\v'dh'-1p'\u-2+\v'dh'-1p'+\s0\v'.1\v'dh'-1p'
.ie n /{
 . ds -- \)(*W-
 . ds PI pi
 . if \(\n(H=4u)&(1m=24u) .ds -- \)(*W\v'dh'-12u')(*W\v'dh'-12u'\v'dh') diablo 10 pitch
 . if \(\n(H=4u)&(1m=20u) .ds -- \)(*W\v'dh'-12u')(*W\v'dh'-8u'\v'dh') diablo 12 pitch
 . ds L' "
 . ds R" "
 . ds C` "
 . ds C' "
 'br\}
.ei\{
Escape single quotes in literal strings from groff’s Unicode transform.

If the F register is >0, we’ll generate index entries on stderr for titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index entries marked with X<> in POD. Of course, you’ll have to process the output yourself in some meaningful fashion.

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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\textit{\textbf{\%(tool)s, The \%(name)s Development Environment}}

\begin{DUlineblock}{0em}
\item Version \%(version)s
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AdaCore
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#!/usr/bin/python
#
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#
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# it under the terms of the GNU General Public License as published by
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# any later version.

# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#   update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
          '])
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile(r'\t')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists(base + '.am'):
            return True

        # Skip files produced by autogen
        if (os.path.exists(base + '.def')
            and os.path.exists(base + '.tpl')):
return True

# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True
return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9][?-0-9,\s]\s+and\s+[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w,\-'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (
            # 1: 'Copyright (C)', etc.
            '(\[Cc\]opyright')(\[Cc\]opyright\s+\|\[Cc\]\)'
            '\[Cc\]opyright\s+%s'
            '\[Cc\]opyright\s+&copy,'
# 2: the years. Include the whitespace in the year, so that # we can remove any excess.
'(\s*(?:' + ranges + ',?')
'[@value\{[^{}]*\})s*]'

# 3: 'by ', if used
'(by\s+)?

# 4: the copyright holder. Don't allow multiple consecutive # spaces, so that right-margin gloss doesn't get caught # (e.g. gnat_ugn.texi).
'(' + name + '(?:\s?' + name + ')*)?

# A regexp for notices that might have slipped by. Just matching # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of # HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9]',
re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ', '

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (', ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (', ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
def __init__ (self, year):
    self.year = year

def __str__ (self):
    return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        else:
            return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value '):
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
    line = line.lstrip()
    match = self.comment_re.match (line)
if match:
    line = line[match.end():].lstrip()
return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
    and (holder not in self.holder_prefixes
         or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                               'trailing characters in @set: '
                               + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break

                # If the next line doesn't look like a proper continuation,
                # assume that what we've got is complete.
                continuation = self.strip_continuation(next_line)
                if not self.continuation_re.match(continuation):
                    break

                # Merge the lines for matching purposes.
                orig_line += next_line
                line = line.rstrip() + ' ' + continuation
                next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match(line, match.start())
            assert match

            holder = match.group(4)
# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
        'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
        + canon_form
        + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

    line = (line[:match.start (2)]
        + ('' if intro.startswith ('copyright = ') else ' ')
        + canon_form + self.separator
        + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]
# Strip trailing whitespace
line = line.rstrip() + '
'

return (line != orig_line, line, next_line)

def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter(dir, filename)
    mode = None
    with open(pathname, 'r') as file:
        prev = None
        mode = os.fstat(file.fileno()).st_mode
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match(line)):
                    match = self.copyright_re.search(line)
                    if match:
                        res = self.update_copyright(dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search(line):
                    self.errors.report(pathname,
                                       'unrecognised copyright: %s
                                       % line.strip())
                    lines.append(line)
                    line = next_line

                # If something changed, write the new file out.
                if changed and self.errors.ok():
                    tmp_pathname = pathname + '.tmp'
                    with open(tmp_pathname, 'w') as file:
                        for line in lines:
file.write (line)
os.fchmod (file.fileno(), mode)
if self.use_quilt:
    subprocess.call (["quilt", 'add', pathname])
os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
    for (dir, subdirs, filenames) in os.walk (tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange (len (subdirs) - 1, -1, -1):
            if filter.skip_dir (dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file (dir, filename):
                sys.stdout.write ('Skipping %s
' % os.path.join (dir, filename))
            else:
                self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                        self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                        self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter ()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s %s
' % sys.argv[0])
        format = '%-15s %s
'

        for name, help in self.option_help:
            print format % (name, help)
for (what, help) in self.option_help:
    sys.stdout.write (format % (what, help))
sys.stdout.write ('\nDirectories:\n')

format = '%-25s'
i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len (self.dirs):
        sys.stdout.write (dir + '\n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append (arg)
elif arg in self.option_handlers:
    self.option_handlers[arg] (arg)
estelse:
    self.errors.report (None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len (self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len (self.chosen_dirs) == 0:
        self.o_help()
estelse:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join (chosen_dir, '')
count = 0
    for (dir, filter) in self.dirs:
        if (dir + os.sep).startswith (canon_dir):
            count += 1
        self.copyright.process_tree (dir, filter)
    if count == 0:
        self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

#--------------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
    def skip_file (self, dir, filename):
        if filename.endswith (".m4"):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
        self.skip_files |= set (['
            # Not part of GCC
            'math-68881.h',
        ])
        self.skip_dirs |= set (['
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])
        self.skip_extensions |= set (['
            # Maintained by the translation project.
            '.', 'po',

            # Automatically-generated.
            '.', 'pot',
        ])
        self.fossilised_files |= set (['
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter (GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)

    self.skip_extensions |= set([
        # Don't change the tests, which could be woend by anyone.
        '.c',
        '.C',
        '.cc',
        '.d',
        '.h',
        '.hs',
        '.f',
        '.f90',
        '.go',
        '.inc',
        '.java',
    ])

def skip_file(self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
        return True
    # Similarly params/README.
    if filename == 'README' and os.path.basename(dir) == 'params':
        return True
    if filename == 'pdt_5.f03' and os.path.basename(dir) == 'gfortran.dg':
        return True
    return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Imported from GLIBC.
        ])

Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.011555
class LibPhobosFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Source module imported from upstream.
            'object.d',
        ])

        self.skip_dirs |= set ([
            # Contains sources imported from upstream.
            'core',
            'etc',
            'gc',
            'gcstub',
            'rt',
            'std',
        ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs |= set ([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files |= set ([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])

    def get_line_filter (self, dir, filename):
if filename == 'boost_concept_check.h':
    return re.compile('// (\(C\) Copyright Jeremy Siek')
return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
def __init__(self, errors):
    Copyright.__init__(self, errors)
    canon_fsf = 'Free Software Foundation, Inc.'
    self.add_package_author('Free Software Foundation', canon_fsf)
    self.add_package_author('Free Software Foundation.', canon_fsf)
    self.add_package_author('Free Software Foundation Inc.', canon_fsf)
    self.add_package_author('Free Software Foundation, Inc', canon_fsf)
    self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author('The Free Software Foundation', canon_fsf)
    self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
    self.add_package_author('Software Foundation, Inc.', canon_fsf)
    self.add_external_author('ARM')
    self.add_external_author('AdaCore')
    self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
    self.add_external_author('Cavium Networks.')
    self.add_external_author('Faraday Technology Corp.')
    self.add_external_author('Florida State University')
    self.add_external_author('Gerard Jungman')
    self.add_external_author('Greg Colvin and Beman Dawes.')
    self.add_external_author('Hewlett-Packard Company')
    self.add_external_author('Intel Corporation')
    self.add_external_author('Information Technology Industry Council.')
    self.add_external_author('James Theiler, Brian Gough')
    self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
    self.add_external_author('National Research Council of Canada.')
    self.add_external_author('NVIDIA Corporation')
    self.add_external_author('Peter Dimov and Multi Media Ltd.')
    self.add_external_author('Peter Dimov')
    self.add_external_author('Pipeline Associates, Inc.')
    self.add_external_author('Regents of the University of California.')
    self.add_external_author('Silicon Graphics Computer Systems, Inc.')
    self.add_external_author('Silicon Graphics')
    self.add_external_author('Stephen L. Moshier')
    self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
    self.add_external_author('The D Language Foundation, All Rights Reserved')
    self.add_external_author('The Go Authors. All rights reserved.')
    self.add_external_author('The Go Authors.')
    self.add_external_author('The Regents of the University of California.')
    self.add_external_author('Unicode, Inc.')
    self.add_external_author('University of Toronto.')
class GCCCmdLine(CmdLine):
    def __init__(self):
        CmdLine.__init__(self, GCCCopyright)
        self.add_dir('..', TopLevelFilter())
        self.add_dir('config', ConfigFilter())
        self.add_dir('gcc', GCCFilter())
        self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir('gotools')
        self.add_dir('include')
        self.add_dir('libada')
        self.add_dir('libatomic')
        self.add_dir('libbacktrace')
        self.add_dir('libc1')
        self.add_dir('libcpp', LibCppFilter())
        self.add_dir('libdecnumber')
        self.add_dir('libgcc', LibGCCFilter())
        self.add_dir('libgfortran')
        self.add_dir('libgomp')
        self.add_dir('libhsail-rt')
        self.add_dir('libiberty')
        self.add_dir('libitm')
        self.add_dir('libobjc')
        self.add_dir('liboffloadmic')
        self.add_dir('libphobos', LibPhobosFilter())
        self.add_dir('libquadmath')
        self.add_dir('libstdc++-v3', LibStdCxxFilter())
        self.add_dir('libvtv')
        self.add_dir('lto-plugin')
        self.add_dir('maintainer-scripts')
        self.add_dir('zlib')
        self.default_dirs = [
            'gcc',
            'include',
            'libada',
            'libatomic',
            'libbacktrace',
            ...]
GCCCmdLine().main()

DRuntime: Runtime Library for the D Programming Language

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@heading TERMS AND CONDITIONS

@enumerate 0
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Version 3.1, 31 March 2009

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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
SHAREDLIBCXXFLAGS = -fPIC

## 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 "$\(GEN_{DEPS}.c\) $< \n| sedète\(<!\)$\^/\^A1.o $@ : /g" > $@;\n[ -s $@ ] || rm -f $@
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec "$\(GEN_{DEPS}.cc\) $< \n| sedète\(<!\)$\^/\^A1.o $@ : /g" > $@;\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) $@

## End FreeBSD-specific setup

1.1281 springfox-swagger-common 2.7.0
1.1282 libxext 1.3.3 1

1.1282.1 Available under license:


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1.1283 grpc-protobuf-lite 1.24.0

1.1284 libseccomp 2.4.1 0ubuntu0.18.04.2

1.1285 elfutils 0.170-0.4ubuntu0.1

1.1285.1 Available under license :

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1.1311 ldaptive apache 1.2.3

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obligated to ensure that it is available for as long as needed to
satisfy these requirements.

@item
Convey the object code using peer-to-peer transmission, provided you
inform other peers where the object code and Corresponding Source of
the work are being offered to the general public at no charge under
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@end enumerate

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@end example

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1.1320 lz4 0.0~r131 2ubuntu3

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1.1321 spring-boot-autoconfigure 1.5.8

1.1322 gdbm 1.14.1 6
1.1322.1 Available under license :

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Appendix: How to Apply These Terms to Your New Programs

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possible use to humanity, 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.>
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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 a sample; alter the names:

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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

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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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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

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Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.012074
changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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"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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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.

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or
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work containing portions of the Library, and distribute that work
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modification of the work for the customer's own use and reverse
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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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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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1.1336 nettle 3.4.1 1

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

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

VIM REFERENCE MANUAL by Bram Moolenaar

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SUMMARY
*iccf* *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:
You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

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II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:
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      b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
      c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you
add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
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- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

  e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

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4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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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* *Kibaale* *charity*

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
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:et=help:norl:
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" Vim syntax file
" Language:Software Distributor product specification file
"(POSIX 1387.2-1995).
" Maintainer:Rex Barzee <rex_barzee@hp.com>
" Last change:25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
    finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +[^" # ][^#]+* contained
syn region psfQuotString   start=+"+ skip=+\"+ end=+"+ contained

syn match  psfObjTag    "\[-_+A-Z0-9a-z]\+/\[-_+A-Z0-9a-z]\+)" contained
syn match  psfAttAbbrev  "\<\(fa|fr|aclqrv\)\(>|<|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=|=.| contained
syn match  psfObjTags    "\[-_+A-Z0-9a-z]\+/\[-_+A-Z0-9a-z]\+)\(\s+\<\[-_+A-Z0-9a-

zonduction of attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
" create_date description directory file_permissions install_source
" install_type location machine_type model_date number os_name os_release
" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=--\s*[^\# ]+\s+[^\# ]--rs=e-1
contains=psfUnquotString.psfComment end=--$-- keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=--\s*[^\# ]+\s+[^\# ]--rs=e-1
contains=psfQuotString.psfComment skip=--\"-- matchgroup=psfQuotString end=--"-- keepend

" These regions are defined in attempt to do syntax checking for some
" of the attributes.
syn psfAttTag matchgroup=psfAttrib start=--\s*tag\s+-- contains=psfObjTag.psfComment end=--$-- keepend oneline

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Define the default highlighting.
Only when an item doesn’t have highlighting yet

```
hi def link psfObject       Statement
hi def link psfAttrib       Type
hi def link psfQuotString   String
hi def link psfObjTag       Identifier
hi def link psfAttAbbrev    PreProc
hi def link psfObjTags      Identifier
hi def link psfComment      Comment

```

Long descriptions and copyrights confuse the syntax highlighting, so
force vim to backup at least 100 lines before the top visible line
let b:current_syntax = "psf"

1.1343 etcd 3.3.13 r0
1.1343.1 Available under license :

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etcdctl role grant permission

Grants a key to a role

Grants a key to a role

grant a permission of keys that are greater than or equal to the given key using byte compare

help for grant permission

grant a prefix permission

verify certificates of TLS-enabled secure servers using this CA bundle

identify secure client using this TLS certificate file

timeout for short running command (excluding dial timeout)

enable client-side debug logging

dial timeout for client connections
-d, --discovery-srv=""  domain name to query for SRV records describing cluster endpoints

--discovery-srv-name=""  service name to query when using DNS discovery

-endpoints=[$127.0.0.1:2379]  gRPC endpoints

--hex=false  print byte strings as hex encoded strings

--insecure-discovery=false  accept insecure SRV records describing cluster endpoints

--insecure-skip-tls-verify=false  skip server certificate verification

--insecure-transport=true  disable transport security for client connections

--keepalive-time=2s  keepalive time for client connections

--keepalive-timeout=6s  keepalive timeout for client connections

--key=""  identify secure client using this TLS key file

--password=""  password for authentication (if this option is used, --user option shouldn't include password)

--user=""  username[:password] for authentication (prompt if password is not supplied)
set the output format (fields, json, protobuf, simple, table)

SEE ALSO

etcdctl\-role(1)

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etcdctl\-role\-revoke\-permission \- Revokes a key from a role

.SH SYNOPTIS
.PP
\fBETCDCTL=3 etcdctl role revoke\-permission <role name> <key> [endkey] [flags]\fP

.SH DESCRIPTION
.PP
Revokes a key from a role

.SH OPTIONS
.PP
\fB\-\-from\-keyP=false\fP
  revoke a permission of keys that are greater than or equal to the given key using byte compare

\fB\-hP, \fB\-\-helpP=false\fP
  help for revoke\-permission

\fB\-\-prefixP=false\fP
  revoke a prefix permission

.SH OPTIONS INHERITED FROM PARENT COMMANDS
.PP
\fB\-\-cacertP=""\fP
  verify certificates of TLS\-enabled secure servers using this CA bundle

\fB\-\-certP=""\fP
  identify secure client using this TLS certificate file

\fB\-\-command\-timeoutP=5s\fP
  timeout for short running command (excluding dial timeout)

\fB\-\-debugP=false\fP
  enable client\-side debug logging

\fB\-\-dial\-timeoutP=2s\fP
  dial timeout for client connections
-d, --discovery-srv=""  
  domain name to query for SRV records describing cluster endpoints

--discovery-srv-name=""  
  service name to query when using DNS discovery

-endpoints=[127.0.0.1:2379]  
  gRPC endpoints

--hex=[false]  
  print byte strings as hex encoded strings

--insecure-discovery=[true]  
  accept insecure SRV records describing cluster endpoints

--insecure-skip-tls-verify=[false]  
  skip server certificate verification

--insecure-transport=[true]  
  disable transport security for client connections

--keepalive-time=2s  
  keepalive time for client connections

--keepalive-timeout=6s  
  keepalive timeout for client connections

--key=""  
  identify secure client using this TLS key file

--password=""  
  password for authentication (if this option is used, --user option shouldn't include password)

--user=""  
  username[:password] for authentication (prompt if password is not supplied)
set the output format (fields, json, protobuf, simple, table)

SEE ALSO

\fBetcdctl3\-role(1)\fP

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etcdctl role-revoke-permission 

Revokes a key from a role

Revokes a key from a role

revoke a permission of keys that are greater than or equal to the given key using byte compare

help for revoke-permission

revoke a prefix permission

verify certificates of TLS-enabled secure servers using this CA bundle
identify secure client using this TLS certificate file

timeout for short running command (excluding dial timeout)

enable client-side debug logging

dial timeout for client connections

domain name to query for SRV records describing cluster endpoints

service name to query when using DNS discovery

gRPC endpoints

print byte strings as hex encoded strings

accept insecure SRV records describing cluster endpoints

skip server certificate verification

disable transport security for client connections

keepalive time for client connections
keepalive timeout for client connections

identify secure client using this TLS key file

password for authentication (if this option is used, --user option shouldn't include password)

username[:password] for authentication (prompt if password is not supplied)

set the output format (fields, json, protobuf, simple, table)

SEE ALSO

etcdctl

HISTORY

14-Mar-2019 Auto generated by spf13/cobra

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etcdctl\-role\-grant\-permission - Grants a key to a role

SYNOPSIS
etcdctl=3 role grant\-permission [options] <role name> <permission type> <key> [endkey] [flags]

DESCRIPTION
Grants a key to a role

OPTIONS

\(\text{--from\-key}\)[=false]
grant a permission of keys that are greater than or equal to the given key using byte compare

\(\text{\texttt{--prefix}}\)[=false]
grant a prefix permission

OPTIONS INHERITED FROM PARENT COMMANDS

\(\text{\texttt{--cacert}}\)="
verify certificates of TLS\-enabled secure servers using this CA bundle

\(\text{\texttt{--cert}}\)="
identify secure client using this TLS certificate file

PP
\def\-command\-timeout{5s}
  timeout for short running command (excluding dial timeout)

PP
\def\-debug{false}
  enable client\-side debug logging

PP
\def\-dial\-timeout{2s}
  dial timeout for client connections

PP
\def\-d{\def\-discovery\-srv{}}
  domain name to query for SRV records describing cluster endpoints

PP
\def\-discovery\-srv\-name{"}
  service name to query when using DNS discovery

PP
\def\-endpoints{[127.0.0.1:2379]}
  gRPC endpoints

PP
\def\-hex{false}
  print byte strings as hex encoded strings

PP
\def\-insecure\-discovery{true}
  accept insecure SRV records describing cluster endpoints

PP
\def\-insecure\-skip\-tls\-verify{false}
  skip server certificate verification

PP
\def\-insecure\-transport{true}
  disable transport security for client connections

PP
\def\-keepalive\-time{2s}
  keepalive time for client connections

PP
\def\-keepalive\-timeout{6s}
keepalive timeout for client connections

```
-B-key="
```
identify secure client using this TLS key file

```
-B-password="
```
password for authentication (if this option is used, \-user option shouldn't include password)

```
-B-user="
```
username[:password] for authentication (prompt if password is not supplied)

```
-w, -write-out="simple"
```
set the output format (fields, json, protobuf, simple, table)

.SH SEE ALSO

```
\etcdctl3\-role(1)
```

.SH HISTORY

```
14\-Mar\-2019 Auto generated by spf13/cobra
```

1.1344 faad 2.8.8

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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 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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1.1364 golang-protobuf-extensions 1.5.2
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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 https://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 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
--------------

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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Sockets
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The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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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
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- Arguments more compliant with Python standard

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----------------------------

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--------

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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
---------------

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----

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cfuhash
-------

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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.
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<th>Owner</th>
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1.1369 springfox-core 2.9.2

1.1370 gson 2.8.0

1.1371 libalgorithm-diff-xs-perl 0.04-5

1.1372 zlib 4.1.1 12.el7_6.19

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1.1373 velocity 1.7

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1.1389 cas server core api webflow 5.2.0

1.1390 scala 2.11.5.v20150101-184742
3fafbc204f

1.1391 libgcrypt 1.7.6 2+deb9u3

1.1391.1 Available under license:

This package was debianized by Ivo Timmermans <ivo@debian.org> on Fri, 3 Aug 2001 10:02:38 +0200.
It was taken over by Matthias Urluchs <smurf@debian.org>, and is now maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland <eric@debian.org>, James Westby <jw+debian@jameswestby.net>

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GNUPG Matthew Skala 1998-08-10
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GNUPG Natural Resources Canada 1998-08-11
Disclaims changes by Matthew Skala.

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Wrote cipher/des.c.
Changes and bug fixes all over the place.

GNUPG Niklas Hernaeus 1998-09-18
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Weak key patches.

GNUPG Rmi Guyomarch 1999-05-25
Assigns past and future changes. (g10/compress.c, g10/encr-data.c, g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)
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ANY g10 Code GmbH 2001-06-07
Assignment for future changes terminated on 2012-12-04.
Code marked with ChangeLog entries of g10 Code employees.

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LIBGCRYPT Moritz Schulte 2003-04-17
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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in,
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
mpi/hppa1.1/udiv-qrndd.S, mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09
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(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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LIBGCRYPT Werner Dittmann 2009-05-20
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GNUPG David Shaw
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LIBGCRYPT Andrey Jivsov 2010-12-09
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(cipher/ecc.c and related files)

LIBGCRYPT Ulrich Miller 2012-02-15
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Libgcrypt used to be part of GnuPG but has been taken out into its own package on 2000-12-21.

Most of the stuff in mpi has been taken from an old GMP library version by Torbjorn Granlund <tege@noisy.tmg.se>.

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

The implementation of the Camellia cipher has been been taken from the original NTT provided GPL source.

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Upstream-Name: sensible-utils
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Source: https://alioth.debian.org/projects/collab-maint/sensible-utils.git

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1.1394 cas server core authentication attributes 5.2.0

1.1395 errors

1.0.0~rc7+git20190403.029124da

0ubuntu1~16.04.4

1.1395.1 Available under license:

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1.1396 jackson-module-paranamer 2.9.9

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1.1405 slf4j-log4j 1.7.21

1.1406 google-api-go-client 1.5.2

0.7.git269f928.el7

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1.1407 curl 7.29.0 35.el7.centos

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1.1408 lua 5.3.5 r1

1.1408 cyrus-sasl 2.1.26 20.el7_2
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1.1410 springfox-spi 2.7.0

1.1411 xfsprogs 4.9.0+nmu1ubuntu2

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1.1414 cas-server-core-api-validation 5.2.0

1.1415 ipset 6.34 r0

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1.1427 py-pip 18.1 r0

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Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02
A. HISTORY OF THE SOFTWARE
============================

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

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

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

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1.1433 grpc-netty 1.7.0

1.1434 hazelcast-gcp 1.1.1

1.1435 svg-salamander 1.0

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1.1437 zkclient 0.11

1.1438 binutils 2.25.1 22.base.el7

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

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

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```
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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!
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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History and License

History of the software

======================================
Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see https://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 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 team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). 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 is a sponsoring member of the PSF.

All Python releases are Open Source (see https://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.

<table>
<thead>
<tr>
<th>Release</th>
<th>Derived from</th>
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<th>Owner</th>
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</tr>
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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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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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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/

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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
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- Arguments more compliant with Python standard

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-----------------------------

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-------

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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)
strtod and dtoa

---------------

The file `file:` Python/dtoa.c`, which supplies C functions dtoa and
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libffi
------

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zlib
----

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

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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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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---

1.1453 hazelcast 3.12.1

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*/
package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {
  public SetPermission(String name, String... actions) {
    super(name, actions);
  }
}

/package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {
  private static final int PUT = 4;
  private static final int REMOVE = 8;
  private static final int READ = 16;
  private static final int LISTEN = 32;
  private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

  public CachePermission(String name, String... actions) {
    super(name, actions);
  }

  @Override

protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

import java.security.Permission;

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 */

public class ConfigPermission extends ClusterPermission {
private static final String CONFIG_PERMISSION_NAME = "<config>";
private static final String CONFIG_PERMISSION_ACTIONS = "config";

public ConfigPermission() {
    super(CONFIG_PERMISSION_NAME);
}

@Override
public boolean implies(Permission permission) {
    return getClass() == permission.getClass();
}

@Override
public String getActions() {
    return CONFIG_PERMISSION_ACTIONS;
}

package com.hazelcast.security.permission;

public class PNCounterPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public PNCounterPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

protected static final int NONE = 0;

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * TODO: Object Permission
 */
public abstract class InstancePermission extends ClusterPermission {

    protected static final int NONE = 0;

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     */

protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
// trim the trailing space
if (s.length() > 0) {
s.setLength(s.length() - 1);
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}
InstancePermission that = (InstancePermission) permission;
boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
return false;
}
return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

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@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}

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package com.hazelcast.security.permission;

public class ScheduledExecutorPermission extends InstancePermission {

private static final int READ = 4;
private static final int MODIFY = 8;

private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public ScheduledExecutorPermission(String name, String... actions) {
  super(name, actions);
}

@Override
protected int initMask(String[] actions) {
  int mask = NONE;
  for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
      return ALL;
    } else if (ActionConstants.ACTION_CREATE.equals(action)) {
      mask |= CREATE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
      mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
      mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
      mask |= DESTROY;
    }
  }
  return mask;
}
}
package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
                mask |= INTERCEPT;
            }
        }
        return mask;
    }
}
return mask;
}
*/

package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.cp.internal.datastructures.atomiclong.RaftAtomicLongService;
import com.hazelcast.cp.internal.datastructures.atomicref.RaftAtomicRefService;
import com.hazelcast.cp.internal.datastructures.countdownlatch.RaftCountDownLatchService;
import com.hazelcast.cp.internal.datastructures.lock.RaftLockService;
import com.hazelcast.cp.internal.datastructures.semaphore.RaftSemaphoreService;
import com.hazelcast.crdt.pncounter.PNCounterService;
import com.hazelcast.concurrent.durableexecutor.impl.DistributedDurableExecutorService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.flakeidgen.impl.FlakeIdGeneratorService;
import com.hazelcast.internal.usercodec deploymentUserCodeDeploymentService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;
import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

@SuppressWarnings("checkstyle:executablestatementcount")
public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";
    public static final String ACTION_AGGREGATE = "aggregate";
    public static final String ACTION_PROJECTION = "projection";
    public static final String ACTION_USER_CODE_DEPLOY = "deploy";

    public static final String LISTENER_INSTANCE = "instance";
    public static final String LISTENER_MEMBER = "member";
    public static final String LISTENER_MIGRATION = "migration";

    private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();

    static {
        PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new QueuePermission(name, actions);
            }
        });
        PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
            @Override
            public Permission create(String name, String... actions) {
                return new MapPermission(name, actions);
            }
        });
    }
}
PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MultiMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ListPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SetPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftAtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftCountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftSemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(RaftSemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(RaftLockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(FlakeIdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new FlakeIdGeneratorPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftAtomicRefService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DurableExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CardinalityEstimatorPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(UserCodeDeploymentService.SERVICE_NAME, new PermissionFactory() {
**Override**

```java
public Permission create(String name, String... actions) {
    return new UserCodeDeploymentPermission(actions);
}
```
package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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*/
package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }

        return mask;
    }

    # 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 commercially by FasterXML.com.

## Licensing

Jackson core and extension components may licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).

## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

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*/
package com.hazelcast.security.permission;

import com.hazelcast.internal.usercodedeploymentUserCodeDeploymentService;

public classUserCodeDeploymentPermission extends InstancePermission {

private static final int DEPLOY = 4;
private static final int ALL = DEPLOY;

publicUserCodeDeploymentPermission(String... actions) {
    super(UserCodeDeploymentService.SERVICE_NAME, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
            mask |= DEPLOY;
        }
    }

    if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
        mask |= DEPLOY;
    }
    return mask;
}

}
/**
* To be able to map-reduce from a client in a secure environment
*/
public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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*/

package com.hazelcast.security.permission;

import java.security.Permission;
public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

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 */

class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;
}
private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

public SemaphorePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
            mask |= ACQUIRE;
        } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
            mask |= RELEASE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class CardinalityEstimatorPermission extends InstancePermission {
private static final int READ = 4;
private static final int MODIFY = 8;

private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public CardinalityEstimatorPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;
public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
                mask |= PUBLISH;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }

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     */
package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }

        return mask;
    }
}

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 */
public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

    @Override
    public String toString() {
        return "<allow all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof AllPermissions;
    }

    @Override
    public int hashCode() {
        return 111;
    }

    public static final class AllPermissionsCollection extends PermissionCollection {
        private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
        private boolean all;

        public AllPermissionsCollection() {
        }

        public PermissionCollection newPermissionCollection() {
            return new AllPermissionsCollection();
        }

        public String toString() {
            return "<allow all permissions>";
        }

        public boolean implies(Permission permission) {
            return true;
        }

        public String getActions() {
            return "<allow all actions>";
        }

        public boolean equals(Object obj) {
            return obj instanceof AllPermissions;
        }

        public int hashCode() {
            return 111;
        }
    }
}
public AllPermissionsCollection(boolean all) {
    this.all = all;
}

@Override
public void add(Permission permission) {
    if (permission instanceof AllPermissions) {
        all = true;
    }
}

@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        boolean more = all;

        @Override
        public boolean hasMoreElements() {
            return more;
        }

        @Override
        public Permission nextElement() {
            more = false;
            return ALL_PERMISSIONS;
        }
    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (obj instanceof AllPermissionsCollection) {
        return all == ((AllPermissionsCollection) obj).all;
    }
    return false;
}

if (getClass() != obj.getClass()) {
    return false;
}

AllPermissionsCollection other = (AllPermissionsCollection) obj;
return all == other.all;

@Override
public String toString() {
    return "<allow all permissions>";
}

package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = CREATE | DESTROY | READ | MODIFY;

    public CountDownLatchPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }

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    */
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
}

return mask;
*/

package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }

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     */
if (ActionConstants.ACTION_ALL.equals(action)) {
    return ALL;
}

if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}
}
return mask;
}

package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_ADD.equals(action)) {
            mask |= ADD;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

public DenyAllPermissionCollection() {
}

@Override
public void add(Permission permission) {
}

@Override
public boolean implies(Permission permission) {
    return false;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        @Override
        public boolean hasMoreElements() {
            return false;
        }

        @Override
        public Permission nextElement() {
            return null;
        }
    };
}

@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}

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 */
package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final  int LOCK = 4;
    private static final  int READ = 8;
    private static final  int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashcode;

    public ClusterPermission(String name) {
        super(name);
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashcode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashcode = result;
        }
        return hashcode;
    }

    @Override
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        return false;
    }
}
if (obj == null) {
    return false;
}
if (getClass() != obj.getClass()) {
    return false;
}
ClusterPermission other = (ClusterPermission) obj;
if (getName() == null && other.getName() != null) {
    return false;
}
if (!getName().equals(other.getName())) {
    return false;
}
return true;
}

package com.hazelcast.security.permission;

public class ReplicatedMapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {

}
super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }

    return mask;
}

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 */
package com.hazelcast.security.permission;

public class FlakeIdGeneratorPermission extends InstancePermission {

    private static final int MODIFY = 4;

    private static final int ALL = MODIFY | CREATE | DESTROY;

    public FlakeIdGeneratorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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    */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    @Override
    public void add(Permission permission) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
                        || (permission instanceof ClusterPermission);
        if (shouldAdd && !implies(permission)) {
            perms.add(permission);
        }
    }

    public void add(PermissionCollection permissions) {
        if (isReadOnly()) {
            throw new SecurityException("ClusterPermissionCollection is read-only!");
        }
        if (permissions instanceof ClusterPermissionCollection) {
            for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
                add(p);
            }
        }
    }
}
@Override
public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            iter.remove();
        }
    }
    setReadOnly();
}

@Override
public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}
/*
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* */
package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}

package com.hazelcast.security.permission;

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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-mapping PUBLIC "/Hibernate/Hibernate Mapping DTD//EN" "https://hibernate.org/dtd/hibernate-mapping-3.0.dtd">
<hibernate-mapping auto-import="true" default-lazy="false">

<class name="org.springframework.test.context.junit4.orm.domain.DriversLicense" table="drivers_license">
  <id name="id" column="id">
    <generator class="identity" />
  </id>
  <property name="number" column="license_number" />
</class>

</hibernate-mapping>

Spring Framework ${version}
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 */

package org.springframework.test.context.junit4.orm.domain;

/**
 * DriversLicense POJO.
 *
 * @author Sam Brannen
 * @since 3.0
 */
public class DriversLicense {

  private Long id;


private Long number;

public DriversLicense() {
}

public DriversLicense(Long number) {
    this(null, number);
}

public DriversLicense(Long id, Long number) {
    this.id = id;
    this.number = number;
}

public Long getId() {
    return this.id;
}

protected void setId(Long id) {
    this.id = id;
}

public Long getNumber() {
    return this.number;
}

public void setNumber(Long number) {
    this.number = number;
}

} /*
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 */
package org.springframework.orm.jpa.domain;

import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name="DRIVERS_LICENSE")
public class DriversLicense {

@Id
private int id;

private String serial_number;

protected DriversLicense() {
}

public DriversLicense(String serialNumber) {
this.serial_number = serialNumber;
}

public String getSerialNumber() {
return serial_number;
}
}

1.1459 simpleclient-common 0.0.23
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common/test-constants.c common/test-hash.c
p11-kit/pkcs11.h p11-kit/test-managed.c
trust/builder.c trust/builder.h trust/digest.h trust/module.c
trust/module.h trust/module-init.c trust/pem.c
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trust/session.c trust/session.h trust/frob-cert.c
trust/frob-eku.c trust/frob-token.c
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trust/test-parser.c trust/test-pem.c trust/test-token.c
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p11-kit/test-log.c trust/anchor.c trust/anchor.h
trust/enumerate.c trust/enumerate.h trust/extract.c
trust/extract-cer.c trust/extract.h
trust/extract-openssl.c trust/extract-pem.c trust/index.c
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 */

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned intnfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#define POLLHUP0x0010
#define POLLNVAL0x0020
#endif

if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLRWRNORM POLLOUT
#define POLLWRBAND 0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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* @version 3.0 (December 2000)
*
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*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif

#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

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 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID

#endif

#define _BSD_WAITPID_H
#endif

#ifndef BSD_WAITPID_H

#endif

#define BSD_WAITPID_H
#endif

Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.013307
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w)(*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377))
#define WIFSTOPPED(w)((_W_INT(w)) & 0100)
#define WIFSIGNALED(w)!WIFEXITED(w) && !WIFSTOPPED(w)
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w)(int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

1.1483 hostname 3.20

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hostname -- set the host name or show the host/domain name

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1.1484 libnuma 2.0.11 2.1ubuntu0.1

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@end enumerate

@iftex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
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@page
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```
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```
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This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

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

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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1.1492 jersey-media-json-jackson 2.27

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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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with the Library, with the complete machine-readable "work that
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1.1507 sed 4.7 1

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--- a/expected/plluatest.out
+++ b/expected/plluatest.out
@@ -232,8 +232,8 @@
   1 | name | data
   (1 row)

+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);
-NOTICE:  CREATE TABLE / PRIMARY KEY will create implicit index "tree_pkey" for table "tree"
CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$
   local p = server.prepare("insert into " .. t .. " values($1, $2, $3)"),
       {"int4", "int4", "int4"})
--- a/sql/plluatest.sql
+++ b/sql/plluatest.sql
@@ -160,6 +160,7 @@
   SELECT * FROM get_rows('name');

+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);

CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$
   # 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"
   license="LGPL"
   depends=
   makedepends=
   subpackages="$pkgname-dev"
   _builddir="$srcdir/libart_lgpl-$pkgver"
prepare() {
    cd "$_builddir"
    update_config_sub || return 1
}
build() {
    cd "$_builddir"
    ./configure \
        --build=$CBUILD \ 
        --host=$CHOST \ 
        --prefix=/usr \ 
    || return 1
    make || return 1
}
package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
    rm "$pkgdir"/usr/lib/*.la
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302  libart LGPL-2.3.21.tar.bz2"

From 6e2604464e64cfaaf1e032722f53f478769470 Mon Sep 17 00:00:00 2001
From: =?UTF-8?q?Timo=20Ter=C3=A4s?= <timo.teras@iki.fi>
Date: Mon, 9 Mar 2015 16:30:53 +0200
Subject: [PATCH] sqlops: fix use-after-free by deep copying result name

When creating a new result handle, deep copy the result name. Otherwise we might end up accessing the name after it's freed.
---
modules/sqlops/sql_api.c | 7 +++++--
1 file changed, 5 insertions(+), 2 deletions(-)
diff --git a/modules/sqlops/sql_api.c b/modules/sqlops/sql_api.c
index cf0efee..db87fbf 100644
--- a/modules/sqlops/sql_api.c
+++ b/modules/sqlops/sql_api.c
@@ -197,14 +197,16 @@ sql_result_t* sql_get_result(str *name)
             return sr;
             sr = sr->next;
         }
-       sr = (sql_result_t*)pkg_malloc(sizeof(sql_result_t));
+       sr = (sql_result_t*)pkg_malloc(sizeof(sql_result_t) + name->len);
         if(sr==NULL)
             LM_ERR("no pkg memory\n");
         return NULL;
     }
     memset(sr, 0, sizeof(sql_result_t));
sr->name = *name;
+memcpy(sr+1, name->s, name->len);
+sr->name.s = (char *)(sr + 1);
+sr->name.len = name->len;
sr->resid = resid;
sr->next = _sql_result_root;
_sql_result_root = sr;
@@ -683,6 +685,7 @@ void sql_destroy(void)
pkg_free(r);
r = r0;
} 
+_sql_result_root = NULL;
}

/**
 --
 2.3.5
 # Automatically generated by apkbuild-cpan, template 1
 # Contributor: Francesco Colista <francesco.colista@gmail.com>
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 pkgname=perl-software-license
 _pkgreal=Software-License
 pkgver=0.103004
 pkgrel=0
 pkgdesc="packages that provide templated software licenses"
 url="http://search.cpan.org/dist/Software-License/"
 arch="noarch"
 license="GPL PerlArtistic"
 cpandepends="perl-text-template perl-data-section perl-sub-install"
 cpanmakedepends=" "
 depends="$cpandepends"
 makedepends="perl-dev $cpanmakedepends"
 subpackages="$pkgname-doc"
 source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

 _builddir="$srcdir/$_pkgreal-$pkgver"

 prepare() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
 }

 build() {
 cd "$_builddir"
 export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
 make && make test
 }
package() {
  cd "$_builddir"
  make DESTDIR="$pkgdir" install || return 1
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35  Software-License-0.103004.tar.gz"

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1.1513 debconf 1.5.61

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1.1534 jackson 2.8.9
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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1.1538 netty-handler-proxy 4.1.38

1.1539 ssh-import-id 5.7 0ubuntu1.1

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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

    dns.c - Recursive, Reentrant DNS Resolver.

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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 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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user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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1.1557 netcat-openbsd 1.130 r1

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1.1559 springfoxswagger 2.9.2

1.1560 spring-boot 2.1.8

1.1561 springfox-spring-web 2.7.0

1.1562 netty-codec 4.1.17
1.1563 net-tools 1.60_git20140218 r1
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1.1565 pyxdg 0.25-4ubuntu1
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1.1566 cas server webapp init 5.2.0

1.1567 spring-expression 5.1.9

1.1567.1 Available under license:

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1.1571 nghttp 10.16.0 r0

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```bash
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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1.1572 python-kitchen 1.1.1 5.el7

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* file name: UBiDiProps.java
* encoding: US-ASCII
* tab size: 8 (not used)
* indentation:4

* created on: 2005jan16
* created by: Markus W. Scherer
* Low-level Unicode bidi/shaping properties access.
* Java port of ubidi_props.h/.c.
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<?xml version="1.0"?>
<code>Replaceable</code> is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the <code>Replaceable</code> API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

<code>Replaceable</code> specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset start..limit-1. That is, the start offset is inclusive, and the limit offset is exclusive.

<code>Replaceable</code> also includes API to access characters in the string: <code>length()</code>, <code>charAt()</code>, <code>char32At()</code>, and <code>extractBetween()</code>.

For a subclass to support metadata, typical behavior of <code>replace()</code> is the following:

<ul>
  <li>Set the metadata of the new text to the metadata of the first character replaced</li>
  <li>If no characters are replaced, use the metadata of the previous character</li>
  <li>If there is no previous character (i.e. start == 0), use the following character</li>
  <li>If there is no following character (i.e. the replaceable was empty), use default metadata</li>
  <li>If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata</li>
</ul>

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu
@stable ICU 2.0
<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

Note: This class does not support attributes and is not intended for general use. Most clients will need to implement <link Replaceable> in their text representation class.

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@see Replaceable
@author Alan Liu
@stable ICU 2.0

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 */

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import java.io.Serializable;

/**
 * Legacy security code; do not use.
 */
public abstract class Permission implements Guard, Serializable {
    public Permission(String name) { }

    public final String getName() { return null; }

    public void checkGuard(Object obj) throws SecurityException { }

    public abstract String getActions();

    public abstract boolean implies(Permission permission);
}

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>>> Plexus Interpolation API (org.codehaus.plexus:plexus-interpolation)

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>>> Aether API (org.eclipse.aether:aether-api)
>>> Aether Connector Basic (org.eclipse.aether:aether-connector-basic)
>>> Aether Implementation (org.eclipse.aether:aether-impl)
>>> Aether SPI (org.eclipse.aether:aether-spi)
>>> Aether Transport File (org.eclipse.aether:aether-transport-file)
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* java.sun.security.ssl

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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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<tbody>
<tr>
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<td>12 September 2006</td>
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Version: GnuPG v1.4.3 (GNU/Linux)
iD8DBQFFoniQVhIFlFu9dGQRAMJmAjwL5yi1oonhVQJlCsparvjHMQuwqwCgiZFY
LBDVaad1b1j1v1EHY901kPcg=
=6rqm
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E-Mail: jules@coredevelopers.net
Mailing Address: 2, Tannery Cottages, Tannery Lane, Bramley, Surrey, GU5 0AB, UK.

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iD8DBQFEbhb9SoT4b97cQk4RAnCMAKCuNGYLiHa6n/Ort3GEdwCCLeQxsMPACdEhnE
I/stizRWZkLeLbcglzdQCE=
=piHm
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Version: GnuPG v1.4.10 (GNU/Linux)
iQEcBAEBAgAQBjQFb4tAAoJEMHhjBmtgF91HDcH/2nQDPuPztWFrBifnEoLFI6JL
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Mailing Address: 1A Leigh Road, London, UK, N5 1ST

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Version: GnuPG v1.4.1 (Darwin)

iD8DBQFDF37/4dL6izr4c+6kRAtsIAJ41tf3i4OM6sIMfJfT0dYdT1bxwCdGgWv
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=8WW7
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 *
 *
 package org.apache.directory.api.ldap.aci;

 import java.util.Collection;
 import java.util.Collections;
 import java.util.HashSet;
 import java.util.Set;

 /**
 * An abstract base class for ItemPermission and UserPermission.
 *
 * @author <a href="mailto:dev@directory.apache.org">Apache Directory Project</a>
 */
 public abstract class Permission
 {
/** The precedence. */
private final Integer precedence;

/** The grants and denials. */
private final Set<GrantAndDenial> grantsAndDenials;

/** The grants. */
private final Set<GrantAndDenial> grants;

/** The denials. */
private final Set<GrantAndDenial> denials;

/**
 * Creates a new instance
 *
 * @param precedence
 *            the precedence of this permission (<tt>-1</tt> to use the
default)
 *
 * @param grantsAndDenials
 *            the set of [@link GrantAndDenial]s
 */
protected Permission( Integer precedence, Collection<GrantAndDenial> grantsAndDenials )
{
    this.precedence = precedence;

    Set<GrantAndDenial> tmpGrantsAndDenials = new HashSet<>();
    Set<GrantAndDenial> tmpGrants = new HashSet<>();
    Set<GrantAndDenial> tmpDenials = new HashSet<>();

    for ( GrantAndDenial gad : grantsAndDenials )
    {
        if ( gad.isGrant() )
        {
            tmpGrants.add( gad );
        }
        else
        {
            tmpDenials.add( gad );
        }

        tmpGrantsAndDenials.add( gad );
    }

    this.grants = Collections.unmodifiableSet( tmpGrants );
    this.denials = Collections.unmodifiableSet( tmpDenials );
    this.grantsAndDenials = Collections.unmodifiableSet( tmpGrantsAndDenials );
}
/**
 * Gets the precedence of this permission.
 * @return the precedence
 */
public Integer getPrecedence()
{
    return precedence;
}

/**
 * Gets the set of {@link GrantAndDenial}s.
 * @return the grants and denials
 */
public Set<GrantAndDenial> getGrantsAndDenials()
{
    return grantsAndDenials;
}

/**
 * Gets the set of grants only.
 * @return the grants
 */
public Set<GrantAndDenial> getGrants()
{
    return grants;
}

/**
 * Gets the set of denials only.
 * @return the denials
 */
public Set<GrantAndDenial> getDenials()
{
    return denials;
}
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1.1604 lombok 1.16.10

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1.1606 hibernate-validator 6.0.16

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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashcode;

    public ClusterPermission(String name) {
        super(name);
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashcode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
        }
        return result;
    }
}
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package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;

    }
private static final int REMOVE = 8;
private static final int READ = 16;
private static final int LISTEN = 32;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

public CachePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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*/
package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else {
                // Unknown action
            }
        }
        return mask;
    }
}
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*/

class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        return mask;
    }
}

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package com.hazelcast.security.permission;

public class PNCounterPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public PNCounterPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }

        return mask;
    }

}
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {

    public AllPermissions() {
        super("<all permissions>");
    }

    @Override
    public boolean implies(Permission permission) {
        return true;
    }

    @Override
    public String getActions() {
        return "<all actions>";
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new AllPermissionsCollection();
    }

    @Override
    public String toString() {
        return "<allow all permissions>";
    }

    @Override
    public boolean equals(Object obj) {
        return obj instanceof AllPermissions;
    }

    @Override
    public int hashCode() {
        return super.hashCode();
    }
}
public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }

    @Override
    public boolean implies(Permission permission) {
        return all;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            boolean more = all;

            @Override
            public boolean hasMoreElements() {
                return more;
            }

            @Override
            public Permission nextElement() {
                more = false;
                return ALL_PERMISSIONS;
            }
        };
    }

    @Override
    public int hashCode() {
        return all ? 13 : -13;
    }
}
@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@override
public String toString() {
    return "<allow all permissions>";
}
}

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 */

package com.hazelcast.security.permission;

public class FlakeIdGeneratorPermission extends InstancePermission {

    private static final int MODIFY = 4;

    private static final int ALL = MODIFY | CREATE | DESTROY;

    public FlakeIdGeneratorPermission(String name, String... actions) {
        super(name, actions);
    }
}
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
        mask |= MODIFY;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
    return mask;
}

package com.hazelcast.security.permission;

public class SetPermission extends ListPermission {
    public SetPermission(String name, String... actions) {
        super(name, actions);
    }

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     */
	nothing
}
package com.hazelcast.security.permission;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;

/**
 * *
 */
public class ConfigPermission extends ClusterPermission {

    private static final String CONFIG_PERMISSION_NAME = "<config>";
    private static final String CONFIG_PERMISSION_ACTIONS = "config";

    public ConfigPermission() {
        super(CONFIG_PERMISSION_NAME);
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return CONFIG_PERMISSION_ACTIONS;
    }

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    package com.hazelcast.security.permission;

    public class LockPermission extends InstancePermission {

        private static final int LOCK = 4;

    }
private static final int READ = 8;
private static final int ALL = CREATE | DESTROY | LOCK | READ;

public LockPermission(String key, String... actions) {
    super(key, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class ScheduledExecutorPermission extends InstancePermission {
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   */

   package com.hazelcast.security.permission;

   public class ScheduledExecutorPermission
       extends InstancePermission {
private static final int READ = 4;
private static final int MODIFY = 8;

private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public ScheduledExecutorPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;
public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            }
        }
        return mask;
    }

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package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public MapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            }
        }
        return mask;
    }
}
package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {

    private static final int PUBLISH = 4;
    private static final int LISTEN = 8;
    private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

    public TopicPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
                mask |= PUBLISH;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        return mask;
    }
}

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 */
mask |= DESTROY;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}

return mask;

}"*/

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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;

public class ClusterPermissionCollection extends PermissionCollection {

    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;

    public ClusterPermissionCollection() {
        permClass = null;
    }

    public ClusterPermissionCollection(Class<? extends Permission> permClass) {
        this.permClass = permClass;
    }

    @Override

public void add(Permission permission) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
        || (permission instanceof ClusterPermission);
    if (shouldAdd && !implies(permission)) {
        perms.add(permission);
    }
}

public void add(PermissionCollection permissions) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    if (permissions instanceof ClusterPermissionCollection) {
        for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
            add(p);
        }
    }
}

@Override
public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
        for (Permission p : perms) {
            if (p != perm && p.implies(perm)) {
                implies = true;
                break;
            }
        }
        if (implies) {
            }
@Override
public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
public void add(Permission permission) {
}

@Override
public boolean implies(Permission permission) {
    return false;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        @Override
        public boolean hasMoreElements() {
            return false;
        }

        @Override
        public Permission nextElement() {
            return null;
        }
    };
}

@Override
public int hashCode() {
    return 37;
}

@Override
public String toString() {
    return "<deny all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof DenyAllPermissionCollection;
}

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package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {
    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
                mask |= ACQUIRE;
            } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
                mask |= RELEASE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}

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package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {
    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}

package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {
    private static final int PUT = 4;
    private static final int READ = 8;
    private static final int ALL = PUT | READ;

    public RingBufferPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
}
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        }
    }
    return mask;
}

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package com.hazelcast.security.permission;

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package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;

import java.security.Permission;

/**
 * TODO: Object Permission
 */
public abstract class InstancePermission extends ClusterPermission {
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
// trim the trailing space
if (s.length() > 0) {
s.setLength(s.length() - 1);
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}
InstancePermission that = (InstancePermission) permission;
boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
return false;
}

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return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());
}

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    } else if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}

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 */
package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.cp.internal.datastructures.atomiclong.RaftAtomicLongService;
import com.hazelcast.cp.internal.datastructures.atomicref.RaftAtomicRefService;
import com.hazelcast.cp.internal.datastructures.countdownlatch.RaftCountDownLatchService;
import com.hazelcast.cp.internal.datastructures.lock.RaftLockService;
import com.hazelcast.cp.internal.datastructures.semaphore.RaftSemaphoreService;
import com.hazelcast.crdt.pncounter.PNCounterService;
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.flakeidgen.impl.FlakeIdGeneratorService;
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

@SuppressWarnings({"checkstyle:executablestatementcount"})
public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";

}
public static final String ACTION_MODIFY = "modify";
public static final String ACTION_READ = "read";
public static final String ACTION_REMOVE = "remove";
public static final String ACTION_LOCK = "lock";
public static final String ACTION_LISTEN = "listen";
public static final String ACTION_RELEASE = "release";
public static final String ACTION_ACQUIRE = "acquire";
public static final String ACTION_PUT = "put";
public static final String ACTION_ADD = "add";
public static final String ACTION_INDEX = "index";
public static final String ACTION_INTERCEPT = "intercept";
public static final String ACTION_PUBLISH = "publish";
public static final String ACTION_AGGREGATE = "aggregate";
public static final String ACTION_PROJECTION = "projection";
public static final String ACTION_USER_CODE_DEPLOY = "deploy";

private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();
static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SetPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftAtomicLongService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftCountDownLatchService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CountDownLatchPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftSemaphoreService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new SemaphorePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RaftLockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(FlakeIdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new FlakeIdGeneratorPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(RaftAtomicRefService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DurableExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CardinalityEstimatorPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(UserCodeDeploymentService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new UserCodeDeploymentPermission(actions);
    }
});

PERMISSION_FACTORY_MAP.put(PNCounterService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new PNCounterPermission(name, actions);
    }
});

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}

/**
 * Creates a permission
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

package com.hazelcast.security.permission;

public class CardinalityEstimatorPermission extends InstancePermission {

    private static final int READ = 4;

    public CardinalityEstimatorPermission(String name, String serviceName, String... actions) {
        super(name, serviceName, actions);
    }

    public CardinalityEstimatorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    public String toString() {
        return "CardinalityEstimatorPermission";
    }

    @Override
    public int getReadPermission() {
        return READ;
    }

    @Override
    public int getWritePermission() {
        return 0;
    }

    @Override
    public int getDeletePermission() {
        return 0;
    }

    @Override
    public boolean equals(Object obj) {
        return super.equals(obj);
    }

    @Override
    public int hashCode() {
        return super.hashCode();
    }

    @Override
    public void validate() {
    }

    public static void main(String[] args) {
    }
}
private static final int MODIFY = 8;

private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public CardinalityEstimatorPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {
private static final int READ = 4;
private static final int MODIFY = 8;

private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public AtomicLongPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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*/

package com.hazelcast.security.permission;
public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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 */

package com.hazelcast.security.permission;
public DurableExecutorServicePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }
    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    }
    return mask;
}
}

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 */

package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {


private static final int READ = 4;
private static final int MODIFY = 8;
private static final int ALL = READ | MODIFY | CREATE | DESTROY;

public AtomicReferencePermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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package com.hazelcast.security.permission;
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;

public class UserCodeDeploymentPermission extends InstancePermission {

    private static final int DEPLOY = 4;
    private static final int ALL = DEPLOY;

    public UserCodeDeploymentPermission(String... actions) {
        super(UserCodeDeploymentService.SERVICE_NAME, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
                mask |= DEPLOY;
            }
        }

        return mask;
    }
}

package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;

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     */

    package com.hazelcast.security.permission;

    public class CountDownLatchPermission extends InstancePermission {

        private static final int READ = 4;
    }
private static final int MODIFY = 8;
private static final int ALL = CREATE | DESTROY | READ | MODIFY;

public CountDownLatchPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        }
    }
    return mask;
}

package com.hazelcast.security.permission;

public class ReplicatedMapPermission extends InstancePermission {
private static final int PUT = 4;
private static final int REMOVE = 8;
private static final int READ = 16;
private static final int LISTEN = 32;
private static final int LOCK = 64;
private static final int INDEX = 128;
private static final int INTERCEPT = 256;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

public ReplicatedMapPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_PUT.equals(action)) {
        mask |= PUT;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    } else if (ActionConstants.ACTION_LOCK.equals(action)) {
        mask |= LOCK;
    } else if (ActionConstants.ACTION_INDEX.equals(action)) {
        mask |= INDEX;
    } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
        mask |= INTERCEPT;
    }

    return mask;
}

# 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 commercially by FasterXML.com.

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### 1.1614 javax-inject 1.0.0.v20091030

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1.1615 apt 1.6.12

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src/bdf/bdf.h
src/bdf/bdfdrivr.c
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1.1637 bash-completion 2.8 1ubuntu1

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1.1638 gdbm 1.13-r1

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# Jackson JSON processor

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

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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 team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). 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 is 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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Sockets
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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--------

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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
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libffi
-----
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zlib

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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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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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<th>Owner</th>
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2.1.2 2.1.1 2002 PSF yes
2.1.3 2.1.2 2002 PSF yes
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1.1653 pythonurllib 1.22-1
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# Contributions to the urllib3 project

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  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

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  * Better unicode support for filepost using StringIO buffers

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  * SSL fingerprint and alternative hostname verification
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  * Fixed pickle support of some exceptions

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  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
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  * Fixed a race condition

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  * Added abstraction for granular control of request fields

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  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
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  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration
* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>
  * IPv6 bugfixes in testsuite

* Jon Wayne Parrott <jonwayne@google.com>
  * App Engine environment tests.

* John Krauss <https://github.com/talos>
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from `HTTPResponse.stream()`.
  * Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
  * Creation of `HTTPConnectionPool.ResponseCls`.

* Predrag Gruevski <https://github.com/obi1kenobi>
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
  * Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
  * Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
  * Logging efficiency improvements, spelling fixes, Travis config.
* Shige Takeda <smtakeda@gmail.com>
  * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>
  * Various character-encoding fixes/tweaks
  * Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
  * Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
  * Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
  * History list to Retry object.
  * HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
  * Ensure timeouts are not booleans and greater than zero.
  * Fixed infinite loop in `stream` when amt=None.
  * Added length_remaining to determine remaining data to be read.
  * Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
  * Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
  * Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6ygl3z3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendoring

* [Your name or handle] <[email or website]>
  * [Brief summary of your changes]

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1.1654 spring-framework 4.3.12

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'http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd'>

<hibernate-mapping auto-import="true" default-lazy="false">
  <class name="org.springframework.test.context.junit4.orm.domain.DriversLicense" table="drivers_license">
    <id name="id" column="id">
      <generator class="identity" />
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import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name="DRIVERS_LICENSE")
public class DriversLicense {

@Id
private int id;

private String serial_number;
protected DriversLicense() {
}

public DriversLicense(String serialNumber) {
this.serial_number = serialNumber;
}

public String getSerialNumber() {
return serial_number;
}

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 */

package org.springframework.test.context.junit4.orm.domain;

/**
 * DriversLicense POJO.
 * @author Sam Brannen
 * @since 3.0
 */
public class DriversLicense {

private Long id;

private Long number;

public DriversLicense() {
}

public DriversLicense(Long number) {
this(null, number);
}
public DriversLicense(Long id, Long number) {
    this.id = id;
    this.number = number;
}

public Long getId() {
    return this.id;
}

protected void setId(Long id) {
    this.id = id;
}

public Long getNumber() {
    return this.number;
}

public void setNumber(Long number) {
    this.number = number;
}

}
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1.1659 openssh 6.6.1p1 35.el7_3
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diff -up openssh-6.6p1/sftp-server.8.sftp-force-mode openssh-6.6p1/sftp-server.8
--- openssh-6.6p1/sftp-server.8.sftp-force-mode2013-10-15 03:07:05.000000000 +0200
+++ openssh-6.6p1/sftp-server.82015-04-20 14:04:47.427562510 +0200
@@ -38,6 +38,7 @@
 .Op Fl P Ar blacklisted_requests
 .Op Fl p Ar whitelisted_requests
 .Op Fl u Ar umask
+.Op Fl m Ar force_file_perms
 .Ek
 .Nm
 .Fl Q Ar protocol_feature
@@ -138,6 +139,10 @@ Sets an explicit
.Xr umask 2
to be applied to newly-created files and directories, instead of the user's default mask.
+.It Fl m Ar force_file_perms
+Sets explicit file permissions to be applied to newly-created files instead
+of the default or client requested mode. Numeric values include:
+777, 755, 750, 666, 644, 640, etc. Option -u is ineffective if -m is set.
 .El
 .Pp
For logging to work,
diff -up openssh-6.6p1/sftp-server.c.sftp-force-mode openssh-6.6p1/sftp-server.c
--- openssh-6.6p1/sftp-server.c.sftp-force-mode2015-04-20 14:04:47.420562526 +0200
+++ openssh-6.6p1/sftp-server.c2015-04-20 14:07:13.799231025 +0200
@@ -71,6 +71,10 @@ static Buffer oqueue;
/* Version of client */
static u_int version;

+/* Force file permissions */
+int permforce = 0;
+long permforcemode;
+
+ /* SSH2_FXP_INIT received */
static int init_done;

@@ -668,6 +672,7 @@ process_open(u_int32_t id)
   Attrib *a;
   char *name;
   int handle, fd, flags, mode, status = SSH2_FX_FAILURE;
+     mode_t old_umask;

   name = get_string(NULL);
   pflags = get_int(); /* portable flags */
@@ -675,6 +680,10 @@ process_open(u_int32_t id)
   a = get_attrib();
   flags = flags_from_portable(pflags);
   mode = (a->flags & SSH2_FILEXFER_ATTR_PERMISSIONS) ? a->perm : 0666;
+   if (permforce == 1) { /* Force perm if -m is set */
+     mode = permforcemode;
+     old_umask = umask(0); /* so umask does not interfere */
+   }
   logit("open "%s" flags %s mode 0%o",
       name, string_from_portable(pflags), mode);
   if (readonly &&
@@ -696,6 +705,8 @@ process_open(u_int32_t id)
   }
   }
   }
+   if (permforce == 1)
+     (void) umask(old_umask); /* restore umask to something sane */
   if (status != SSH2_FX_OK)
     send_status(id, status);
   free(name);
@@ -1430,7 +1441,7 @@ sftp_server_usage(void)
   fprintf(stderr,
         "usage: %s [-ehR] [-d start_directory] [-f log_facility] 
     
-    "[-l log_level]\n[-P blacklisted_requests] "
+    "[-p whitelisted_requests] [-u umask]\n"
     
     "%s -Q protocol_feature\n",
         __programe, __programe);
   exit(1);
@@ -1455,7 +1463,7 @@ sftp_server_main(int argc, char **argv,
pw = pwcopy(user_pw);

while (!skipargs && (ch = getopt(argc, argv, -
    "df:f:p:P:Qu:cehR") != -1) { 
+    "df:f:p:Qu:m:cehR") != -1) { 
switch (ch) { 
    case 'Q':
        if (strcasecmp(optarg, "requests") != 0) {
            fatal("Invalid umask " optarg; 
          umask((mode_t)mask);
            break;
        +case 'm': 
        */ Force permissions on file received via sftp */
+        permforce = 1;
+        permforcemode = strtol(optarg, &cp, 8);
+        if (permforcemode < 0 || permforcemode > 0777 || 
+            *cp != \0 || (permforcemode == 0 &&
+            errno != 0))
+        fatal("Invalid file mode " optarg);
            +break;
        case 'h':
            sftp_server_usage();
            default:
            sftp_server_usage();
        This package was debianized by Jamie Beverly <soupboy@sourceforge.net> on
        Wed, 13 Jan 2010 01:08:49 +0300.

        It was downloaded from http://pamsshagentauth.sf.net/

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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif
#endif /* _BSD_WAITPID_H */

/*
	$OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $ */

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*/

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#endif

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#endif

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLErr 0x0008
#if 0
/* the following are currently not implemented */
#define POLLPRIO 0x0002
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#define POLLRDNorm 0x0040
#define PONORM POLLRDNorm
#define POLLRDBAND POLLWRBAND
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */

#ifndef COMPAT_POLL_H_
#define COMPAT_POLL_H_

typedef struct pollfd {
  int fd;
  short events;
  short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLErr 0x0008
#if 0
/* the following are currently not implemented */
#define POLLPRIO 0x0002
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#define POLLRDNorm 0x0040
#define PONORM POLLRDNorm
#define POLLRDBAND POLLWRBAND
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */

#define HAVE_POLL_H */

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ConstantValue	copyrightHEADER
Copyright:<init>()VCode
LineNumberTableLocalVariableTablethis-
Lgnu/classpath/tools/taglets/CopyrightTaglet;getName()Ljava/lang/String;inField()Z
inConstructorinMethod
inOverviewwinPackageinTypeisInlineTagregister(Ljava/util/Map;)V

&(*)
java/util/Map+.put8(Ljava/lang/Object;Ljava/lang/Object;Ljava/lang/Object;
tagletMapLjava/util/Map;copyrightTagletToString)(Lcom/sun/javadoc/Tag;)Ljava/lang/String;3com/sun/javadoc/Tag;
506*(Lcom/sun/javadoc/Tag;Ljava/lang/String;tagLcom/sun/javadoc/Tag;2::text
=?java/lang/String@Alength()ICjava/lang/StringBuffer
BF<dl>
BHIJappend,(Ljava/lang/String;)Ljava/lang/StringBuffer;Ljava/lang/StringBuilderN<dt><i>Copyright ©
KPQ(Ljava/lang/String;)V
KSIT-(Ljava/lang/String;)Ljava/lang/StringBuilder;V</i></dt>
KX0Z</dl>
BXtags[Lcom/sun/javadoc/Tag;haveValidTagZiIresultLjava/lang/StringBuffer;
SourceFileCopyrightTaglet.java!

/*1-
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<table>
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#!/usr/bin/python
#
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#
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# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

```python
import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ' : ' + string
        sys.stderr.write (string + '
')
        self.num_errors += 1

    def ok (self):
        return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
```
'libtool.m4',
'ltmain.sh',
'lt options.m4',
'lt sugar.m4',
'lt version.m4',
'lt--obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'sym link-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
})

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True
# Skip configure files produced by autoconf
if filename == 'configure':
    if os.path.exists (base + '.ac'):
        return True
    if os.path.exists (base + '.in'):
        return True
return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include ‘.’ for typos.
        ranges = '[0-9][0-9].\s\s+and\s+[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w\w+z\n
        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (r'(\[Cc\]opyright\s+\(\[Cc\]\))
            \((\[Cc\]opyright\s+\(\[Cc\]\))\)
            \((\[Cc\]opyright\s+\%s\)
            \((\[Cc\]opyright\s+\&copy;\)
            \((\[Cc\]opyright\s+\@copyright\)\)')
def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (',')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (',', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None
self.year = year

def __str__(self):
    return 'unrecognised year: ' + self.year

def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
        elif len(string) == 4:
            return year
        raise self.BadYear(string)

    def year_range(self, years):
        year_list = [self.parse_year(year)
                     for year in self.year_re.findall(years)]
        assert len(year_list) > 0
        return (min(year_list), max(year_list))

    def set_use_quilt(self, use_quilt):
        self.use_quilt = use_quilt

    def include_year(self, year):
        assert not self.max_year
        self.max_year = year

    def canonicalise_years(self, dir, filename, filter, years):
        # Leave texinfo variables alone.
        if years.startswith('@value '):
            return years
        (min_year, max_year) = self.year_range(years)

        # Update the upper bound, if enabled.
        if self.max_year and not filter.is_fossilised_file(dir, filename):
            max_year = max(max_year, self.max_year)

        # Use a range.
        if min_year == max_year:
            return '%d' % min_year
        else:
            return '%d-%d' % (min_year, max_year)

    def strip_continuation(self, line):
        line = line.lstrip()
        match = self.comment_re.match(line)
        if match:
def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != '':
            self.errors.report(pathname,
                               'trailing characters in @set:'
                               + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
                # If the next line doesn't look like a proper continuation,
                # assume that what we've got is complete.
                continuation = self.strip_continuation(next_line)
                if not self.continuation_re.match(continuation):
                    break

                # Merge the lines for matching purposes.
                orig_line += next_line
                line = line.rstrip() + ' ' + continuation
                next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match(line, match.start())
            assert match

            holder = match.group(4)
# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]
# Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed

                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                                         'unrecognised copyright: %s'
                                         % line.strip())
                    lines.append (line)
                    line = next_line

        # Check for copyright lines that might have slipped by.
        if self.other_copyright_re.search (line):
            self.errors.report (pathname,
                                'unrecognised copyright: %s'
                                % line.strip())
            lines.append (line)
            line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open (tmp_pathname, 'w') as file:
            for line in lines:
                file.write (line)
            if self.use_quilt:
                subprocess.call (["quilt", 'add', pathname])
os.rename (tmp_pathname, pathname)
def process_tree (self, tree, filter):
for (dir, subdirs, filenames) in os.walk (tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
if filter.skip_dir (dir, subdirs[i]):
del subdirs[i]
# Handle the files in this directory.
for filename in filenames:
if filter.skip_file (dir, filename):
sys.stdout.write ('Skipping %s\n'
% os.path.join (dir, filename))
else:
self.process_file (dir, filename, filter)
class CmdLine:
def __init__ (self, copyright = Copyright):
self.errors = Errors()
self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []
self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
self.o_this_year)
def add_option (self, name, help, handler):
self.option_help.append ((name, help))
self.option_handlers[name] = handler
def add_dir (self, dir, filter = GenericFilter()):
self.dirs.append ((dir, filter))
def o_help (self, option = None):
sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n'
'Options:\n' % sys.argv[0])
format = '%-15s %s\n'
for (what, help) in self.option_help:
sys.stdout.write (format % (what, help))
sys.stdout.write ('\nDirectories:\n')

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format = '%-25s'
i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len (self.dirs):
        sys.stdout.write (dir + 'n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, ')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                        self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
                sys.exit (0 if self.errors.ok() else 1)

#-----------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True
class ConfigFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

    def skip_file(self, dir, filename):
        if filename.endswith('.m4'):
            pathname = os.path.join(dir, filename)
            with open(pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_files |= set(['math-68881.h', ])
        self.skip_dirs |= set(['ada', ])
        self.skip_extensions |= set(['.po', ])
        self.fossilised_files |= set(['ONEWS', ])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(['.pot', ])

        self.fossilised_files |= set(['ONEWS', ])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(['.po', 'testsuite', ])

        self.fossilised_files |= set(['ONEWS', ])

        class GCCFilter(GenericFilter):
            def __init__(self):
                GenericFilter.__init__(self)

                self.skip_files |= set(['math-68881.h', ])
                self.skip_dirs |= set(['ada', ])
                self.skip_extensions |= set(['.po', ])
                self.fossilised_files |= set(['ONEWS', ])
# Don't change the tests, which could be woend by anyone.

`.c`,
`.C`,
`.ce`,
`.h`,
`.hs`,
`.f`,
`.f90`,
`.go`,
`.inc`,
`.java`,
)

```python
def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    return GenericFilter.skip_file (self, dir, filename)
```

```python
class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        ])
```

```python
class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Imported from GLIBC.
            'soft-fp',
        ])
```

```python
class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set ([
            # Handled separately.
            'testsuite',
        ])
```
# Not really part of the library
'contrib',

# Imported from upstream
'classpath',
'libyaml',
)

def get_line_filter(self, dir, filename):
    if filename == 'NameDecoder.h':
        return re.compile('.*NAME_COPYRIGHT')
    if filename == 'ICC_Profile.h':
        return re.compile('.*icSigCopyrightTag')
    return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs = set([
            # Handled separately.
            'testsuite',
        ])

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files = set([
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ])

        self.skip_dirs = set([
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        ])

        self.own_files = set([
            # Contains markup around the copyright owner.
            'spine.xml',
        ])}
def get_line_filter(self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)

        self.add_external_author('ARM')
        self.add_external_author('AdaCore')
        self.add_external_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author('Cavium Networks.')
        self.add_external_author('Faraday Technology Corp.')
        self.add_external_author('Florida State University')
        self.add_external_author('Greg Colvin and Beman Dawes.')
        self.add_external_author('Hewlett-Packard Company')
        self.add_external_author('Information Technology Industry Council.')
        self.add_external_author('James Theiler, Brian Gough')
        self.add_external_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author('National Research Council of Canada.')
        self.add_external_author('NVIDIA Corporation')
        self.add_external_author('Peter Dimov and Multi Media Ltd.')
        self.add_external_author('Peter Dimov')
        self.add_external_author('Pipeline Associates, Inc.')
        self.add_external_author('Regents of the University of California.')
        self.add_external_author('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author('Silicon Graphics')
        self.add_external_author('Stephen L. Moshier')
        self.add_external_author('Sun Microsystems, Inc. All rights reserved.')
        self.add_external_author('The Go Authors. All rights reserved.')
        self.add_external_author('The Go Authors')
        self.add_external_author('The Regents of the University of California.')
        self.add_external_author('Unicode, Inc.')
        self.add_external_author('University of Toronto.')
class GCCCmdLine(CmdLine):
    def __init__(self):
        CmdLine.__init__(self, GCCCopyright)

        self.add_dir('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir('fixincludes')
        self.add_dir('gcc', GCCFilter())
        self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir('gnattools')
        self.add_dir('include')
        self.add_dir('libada')
        self.add_dir('libatomic')
        self.add_dir('libbacktrace')
        self.add_dir('libcpp', LibCppFilter())
        self.add_dir('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir('libgcc', LibGCCFilter())
        self.add_dir('libgfortran')
        self.add_dir('libgomp')
        self.add_dir('libiberty')
        self.add_dir('libitm')
        self.add_dir('libjava', LibJavaFilter())
        self.add_dir(os.path.join('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir(os.path.join('libmudflap', 'testsuite'), TestsuiteFilter())
        self.add_dir('libobjc')
        self.add_dir('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir('libsan')
        self.add_dir('libstdc++-v3', LibStdCxxFilter())
        self.add_dir('libtv')
        self.add_dir('lto-plugin')
        # zlib is imported from upstream.

        self.default_dirs = [
            'gcc',
            'libada',
            'libatomic',
            'libbacktrace',
            'libcpp',
            'libdecnumber',
            'libgcc',
            'libgfortran',
        ]
GCCmdLine().main()

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

ifndef __gnu_javax_sound_AudioSecurityManager$Permission__
define __gnu_javax_sound_AudioSecurityManager$Permission__

#pragma interface

#include <java/lang/Enum.h>
#include <gcj/array.h>

extern "Java"
{
namespace gnu
{
namespace javax
{
namespace sound
{
    class AudioSecurityManager$Permission;
}
}
}

class gnu::javax::sound::AudioSecurityManager$Permission : public ::java::lang::Enum
{
    AudioSecurityManager$Permission(::java::lang::String *, jint);
    public:
        static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * values();
        static ::gnu::javax::sound::AudioSecurityManager$Permission * valueOf(::java::lang::String *);
        static ::gnu::javax::sound::AudioSecurityManager$Permission * PLAY;
        static ::gnu::javax::sound::AudioSecurityManager$Permission * RECORD;
        static ::gnu::javax::sound::AudioSecurityManager$Permission * ALL;
    private:
        static JArray< ::gnu::javax::sound::AudioSecurityManager$Permission * > * ENUMSVALUES;
    public:
        static ::java::lang::Class class$;
};
/* Permission.java -- The superclass for all permission objects

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   or based on this library.  If you modify this library, you may extend
   this exception to your version of the library, but you are not
   obligated to do so.  If you do not wish to do so, delete this
   exception statement from your version. */

package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission.  A permission consists of a permission name
* and optionally a list of actions that relate to the permission. The
* actual meaning of the name of the permission is defined only in the
* context of a subclass. It may name a resource to which access permissions
* are granted (for example, the name of a file) or it might represent
* something else entirely. Similarly, the action list only has meaning
* within the context of a subclass. Some permission names may have no
* actions associated with them. That is, you either have the permission
* or you don't.
*
* <p>The most important method in this class is <code>implies</code>. This
* checks whether if one has this permission, then the specified
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
*
* <p><code>Permission</code>'s must be immutable - do not change their
* state after creation.
*
* @author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/

public abstract class Permission implements Guard, Serializable {

/**
 * Compatible with JDK 1.1+.
 */

private static final long serialVersionUID = -5636570222231596674L;

/**
 * This is the name assigned to this permission object.
 *
 * @serial the name of the permission
 */

private String name;

/**
 * Create an instance with the specified name.
 *
 * @param name the permission name
 */

public Permission(String name) {
    this.name = name;
}
/**
 * This method implements the `<code>`Guard`<code>` interface for this class.
 * It calls the `<code>`checkPermission`<code>` method in
 * `<code>`SecurityManager`<code>` with this `<code>`Permission`<code>` as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 * *
 * @param obj the `<code>`Object`<code>` being guarded - ignored by this class
 * @throws SecurityException if the security check fails
 * @see GuardedObject
 * @see SecurityManager#checkPermission(Permission)
 */
public void checkGuard(Object obj)
{
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * This method tests whether this `<code>`Permission`<code>` implies that the
 * specified `<code>`Permission`<code>` is also granted.
 * *
 * @param perm the `<code>`Permission`<code>` to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use `<code>`implies`<code>`, rather
 * than `<code>`equals`<code>`, when making access control decisions.
 * *
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this `<code>`Permission`<code>`.
 * It must satisfy the contract of `<code>`Object.hashCode`<code>`: it must be
 * the same for all objects that equals considers to be the same.
 * *
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this `<code>`Permission`<code>`.
 */
* @return the name
*/
public final String getName()
{
    return name;
}

/**
* This method returns the list of actions for this <code>Permission</code>
* as a <code>String</code>. The string should be in canonical order, for
* example, both <code>new FilePermission(f, "write,read")</code> and
* <code>new FilePermission(f, "read,write")</code> have the action list
* "read,write".
* 
* @return the action list for this <code>Permission</code>
*/
public abstract String getActions();

/**
* This method returns an empty <code>PermissionCollection</code> object
* that can store permissions of this type, or <code>null</code> if no
* such collection is defined. Subclasses must override this to provide
* an appropriate collection when one is needed to accurately calculate
* <code>implies</code>.
* 
* @return a new <code>PermissionCollection</code>
*/
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
* This method returns a <code>String</code> representation of this
* <code>Permission</code> object. This is in the format:
* <code>toString() = '(' + getClass().getName() + ','+getName()+','+getActions</code>
* + ')'</code>. 
* 
* @return this object as a <code>String</code>
*/
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();
    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(getName());
    string = string.append(')');
    return string.toString();
}
string = string.append(getName());

if (!(getActions().equals("")))
{
    string = string.append(' ');
    string = string.append(getActions());
}

string = string.append(')');
return string.toString();
}
}  // class Permission

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Version 2.1, February 1999

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/**
* This interface provides information about a permission that can be
* granted. Note that this is not the same as the class
* java.security.Permission.
* @version 0.0
* @author Aaron M. Renn (arenn@urbanophile.com)
*/
public interface Permission
{
/**
* This method tests whether or not a specified Permission (passed as an Object) is the same as this permission.
* @param perm The permission to check for equality
* @return true if the specified permission is the same as this one, false otherwise
*/
boolean equals (Object perm);

/**
* This method returns this Permission as a String.
* @return A String representing this permission.
*/
String toString();
}

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
define ASM_SHORT "\t.word\t"
define ASM_LONG "\t.long\t"
define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
    fprintf (FILE, "\t.space \" HOST_WIDE_INT_PRINT_UNSIGNED\"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
    ( fputs (".comm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u\n", (int)(ROUNDED))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
    ( fputs (".lcomm ", (FILE)),

assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
( fputs (".lcomm ", (FILE)),
assemble_name ((FILE), (NAME)),
fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
   that says to advance the location counter 
   to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)  
if ((LOG)!=0) fprintf ((FILE), 	".align %d
", (LOG))

/* This is how to store into the string BUF 
   the symbol_ref name of an internal numbered label where 
   PREFIX is the class of label and NUM is the number within the class. 
   This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)  
sprintf ((BUF), "%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_
"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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Version 1.3, 3 November 2008

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16/gnu/javax/sound/AudioSecurityManager$Permission.java

```java
LineNumberTable
LocalVariableTable
thisvalues40
Lgnu/javax/sound/AudioSecurityManager$Permission;
$;&%java/lang/System"(arraycopy*Ljava/lang/Object;ILjava/lang/Object;II)VvalueOfE(Ljava/lang/String;)Lgnu/javax/sound/AudioSecurityManager$Permission;
)-5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/Enum;
SourceFile.AudioSecurityManager.java
```
SignatureCL\java\lang\Enum<\Lgnu/javax/sound/AudioSecurityManager$Permission;>:InnerClasses4\ggnu/javax/sou
nd/AudioSecurityManager
Permission@1@@@

eAYYYYYSYSYS
GE
1*+E !"'
6YK*Y<YM#,)*
* 
*/+.012
35@

// DO NOT EDIT THIS FILE - it is machine generated -.*- c++ -.*-

 ifndef __java_security_Permission__
define __java_security_Permission__

 pragma interface

 #include <java/lang/Object.h>
 extern "Java"
{
 namespace java
 {
  namespace security
  {
   class Permission;
   class PermissionCollection;
  }

  class java::security::Permission : public java::lang::Object
  {

   public:
   Permission(::java::lang::String *);
   virtual void checkGuard(::java::lang::Object *);
   virtual jboolean implies(::java::security::Permission *) = 0;
   virtual jboolean equals(::java::lang::Object *) = 0;
   virtual jint hashCode() = 0;
   virtual ::java::lang::String * getName();
   virtual ::java::lang::String * getActions() = 0;
   virtual ::java::security::PermissionCollection * newPermissionCollection();
   virtual ::java::lang::String * toString();
   
   private:
   static const jlong serialVersionUID = -563657022231596674LL;
   ::java::lang::String *__attribute__((aligned(__alignof__(::java::lang::Object)))) name;
public:
static ::java::lang::Class class$;
};

#error // __java_security_Permission__

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

@end example

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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!

SourceFilePermission.java

// DO NOT EDIT THIS FILE - it is machine generated -*- c++ -*-

#ifndef __java_security_acl_Permission__
#define __java_security_acl_Permission__

#pragma interface

#include <java/lang/Object.h>

extern "Java"
{
namespace java
{
namespace security
{
namespace acl
{


class java::security::acl::Permission : public ::java::lang::Object
{
    public:
    virtual jboolean equals(::java::lang::Object *) = 0;
    virtual ::java::lang::String * toString() = 0;
    static ::java::lang::Class class$;
} __attribute__ ((java_interface));

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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 (brazile@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 (martintauermann@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.amdaal.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.)

Jan 21, 2002

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/* gnu.classpath.tools.taglets.CopyrightTaglet
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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }
}
public boolean inType() {
return true;
}
public boolean isInlineTag() {
return false;
}
public static void register(Map tagletMap) {
CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
}
public String toString(Tag tag) {
return toString(new Tag[] { tag });
}
public String toString(Tag[] tags) {
if (tags.length == 0) {
return null;
}
else {
boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
if (tags[i].text().length() > 0) {
haveValidTag = true;
}
}
if (haveValidTag) {
StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
if (tags[i].text().length() > 0) {
result.append("<dt><i>Copyright &#169; " + tags[i].text() + "</i></dt>");
}
}
result.append("</dl>");
return result.toString();
}
else {
return null;
}
}
}
}

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1.1664 python-setuptools 40.8.0 r1

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1.1665 neo4j cypher compiler 2.3.12

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1.1667 apache-servicemix-bundles-antlr

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The primary ANTLR guy:

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

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1.1668 spring-boot-starter-web 1.5.6

1.1669 netty-resolver 4.1.38

1.1670 python-crypto 2.6.1-8ubuntu2

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From dlitz@dlitz.net Sat Feb 28 23:24:14 2009
Date: Sat, 28 Feb 2009 23:24:14 -0500
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Jeethu Rao <jeethurao@gmail.com>
Subject: PyCrypto license clarification
Message-ID: <20090301042414.GA15122@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
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--amk (www.amk.ca)

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Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.015249
Regards,
- Dwayne

--
Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From jeethurao@gmail.com Sun Mar 8 17:28:16 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <jeethurao@gmail.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
    by rivest.dlitz.net (Postfix) with ESMTP id 0CC83515D9
    for <dwon@rivest.dlitz.net>; Sun,  8 Mar 2009 17:28:16 -0400 (EDT)
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    by goedel.dlitz.net (Postfix) with QMQP id 4E58F450CB
    for <dwon@rivest.dlitz.net>; Sun,  8 Mar 2009 15:28:15 -0600 (CST)
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    Received-SPF: pass (gmail.com ... _spf.google.com: 209.85.128.0/17 matched)
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    Received: by 10.141.176.13 with SMTP id d13mr2656028rvp.231.1236547674677;
        Sun, 08 Mar 2009 14:27:54 -0700 (PDT)
Hi Dwayne,

My contribution to pycrypto are very very minimal (The sha256 module, IIRC). I'd be fine with the public domain license for PyCrypto.

Jeethu Rao

PS: Apologies for the delay in my response. I don't really check this email address all that often, please direct any further correspondence to jeethu@jeethurao.com

On Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzenberger <dlitz@dlitz.net> wrote:

> Hi Jeethu,
> 
> I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.
> 
> People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)
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Regards,

Dwayne C. Litzenberger <dlitz@dlitz.net>

--
Jeethu Rao

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On=000e0cd209d0e5a3d40464a23054
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
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Regards,

- Dwayne

--

Dwayne C. Litzenberger &lt;dlitz@dlitz.net&gt;

---

Jeethu Rao

--000e0cd209d0e5a3d40464a23054--

A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of
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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From dlitz@dlitz.net Wed Aug 27 20:54:38 EDT 2008
X-Maildir-Dup-Checked: Yes
Return-Path: <dlitz@dlitz.net>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
by rivest.dlitz.net (Postfix) with ESMTP id ECFDFC6641D
-----BEGIN PGP SIGNED MESSAGE-----

# This is a proof of posting certificate from stamper.itconsult.co.uk certifying that a user claiming to be:-
# dlitz@dlitz.net requested that this message be sent to:-
# crypt@bis.doc.gov
# enc@nsa.gov
# web_site@bis.doc.gov
# pycrypto@lists.dlitz.net
# PYTHON-CRYPTO@NIC.SURFNET.NL
# dlitz@dlitz.net

# This certificate was issued at 00:45 (GMT)
# on Thursday 28 August 2008 with reference 0520978

# CAUTION: while the message may well be from the sender indicated in the "From:" header, the sender has NOT been authenticated by this service

# For information about the Stamper service see
# http://www.itconsult.co.uk/stamper.htm

SUBMISSION TYPE: TSU
SUBMITTED BY: Dwayne C. Litzenberger
SUBMITTED FOR: Dwayne C. Litzenberger
POINT OF CONTACT: Dwayne C. Litzenberger
PHONE and/or FAX: +1-613-693-1296
MANUFACTURER: n/a
PRODUCT NAME/MODEL #: The Python Cryptography Toolkit ("PyCrypto")
ECCN: 5D002

NOTIFICATION: http://www.pycrypto.org/

-----END PGP SIGNED MESSAGE-----
Note: I am a Canadian citizen posting software to my website located in Canada. I am not certain whether PyCrypto contains enough US-origin cryptography to be covered by U.S. export controls, but I am submitting this anyway.

(Sorry for spamming the lists, but I want there to be a record of this.)

--
Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

-----BEGIN PGP SIGNATURE-----
Version: 2.6.3i
Charset: noconv
Comment: Stamper Reference Id: 0520978

iQEVAgUBSLX1DYGVnhVwth+BAQEcuw9fEWhnXLqS05bPzR9K9QnTPcsKbTljKjPxrdq+07E8VmvwijUcTAR9o27yyzOPxdFT864MQA7OTSBpK39aGAgA4fgAgvYH9tUNjJk/vQLz/aq2fi/HNjyrwqfNul0qzwvOrQGbZ8Y+SgpVh1gKqy1Ju45L+doq sxbzCOpjgRv2zDdNR/2SnFmDWQXv8dSeonwIHpQDfl8/LVA/gHtDmteQf0hJQ6oXYhY+HbrjsD7D41/GSpO9HIn5ln0UgsFoLndnNSAvWF4aPyh5KCN7ho+/BOv/W/psS1fkwmbhlPHoOfTkNc0qKLHHiqMGJNhO8AkryZOyJksb0HsA==
=3oIX
-----END PGP SIGNATURE-----
have already contacted A. M. Kuchling, and he has approved the
following dedication for his contributions.

May I, on your behalf, dedicate to the public domain all your
contributions to PyCrypto, with the following notice?

The contents of this file are dedicated to the public domain. To
the extent that dedication to the public domain is not available,
everyone is granted a worldwide, perpetual, royalty-free, non-exclusive
license to exercise all rights associated with the contents of this file
for any purpose whatsoever. No rights are reserved.

In case I haven't replied to this yet: Yes, this is fine with me.

roby

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.8 (Darwin)
iEYEARECAAYFaCmgkkQQQDkKvyJ6cOLtvQCFmYYuVODvIlyLg0hgCI9LAbQSH8AoLJgaqIIi7ZYDe+=/Cd8VO0xLbr
=Mv6g
-----END PGP SIGNATURE-----

Hi Paul,
I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

```
Distribute and use freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express or implied. Use at your own risk or not at all.
```

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in _Intellectual Property and Open Source: A Practical Guide to Protecting Code_, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, Joris Bontje, and Mark Moraes, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto, under nickname "z3p" and/or other names. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

```
The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.
```

Regards,
- Dwayne
Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From paulswartz@gmail.com Mon Aug  3 12:14:07 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <paulswartz@gmail.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goederl.dlitz.net (unknown [10.159.255.6])
by rivest.dlitz.net (Postfix) with ESMTP id 30B9D984FC4
for <dwon@rivest.dlitz.net>; Mon,  3 Aug 2009 12:14:07 -0400 (EDT)
Received: from localhost (localhost [127.0.0.1])
by goedel.dlitz.net (Postfix) with QMQP id AD9AE81068
for <dwon@rivest.dlitz.net>; Mon,  3 Aug 2009 10:14:06 -0600 (CST)
Received: (vmmailmgr-postfix 32055 invoked by uid 1003);  3 Aug 2009 10:14:06 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=gmail.com; s=gamma;
h=domainkey-signature:mime-version:received:in-reply-to:references:from:date:message-id:subject:to:content-type:content-transfer-encoding;
bh=A0RHBf0TnribKS5qOHJ3WYbkZ+b0cuPeuoKAVpApWcc=;
bg=gyTqRHkKIHadFKIZCZWbRsMNVDqIPWlIhbC0ExpsksaorHr3HAR96MWQNBPU40AcVn55qIpTdom4e9zUEE6MWZo9kqi/Qw0LrSLib0DIQeNqo/eiHyQpMuVswIaYwNAyMjY9++76rPGzqYdALsfvmwv7Q3/bEmjVTr0tQE=
DomainKey-Signature: a=rsa-sha1; c=nofws;
d=gmail.com; s=gamma;
h=mime-version:in-reply-to:references:from:date:message-id:subject:to:content-type:content-transfer-encoding;
b=jze7KSmkUGifVCXKaawXMi5NATgDmQOwVZzfnRyGsy68xOd2sxefiyigg3EfT6Nv6Q3opUMsT9Q6zjZND55w446kTh2uBTNz4d3NWeEJxG3xciRQu/mXFPp8AziP3CefL1omJLM1eQ2XyuZAT3jem+SjJfUhUcSD1UbgI=
MIME-Version: 1.0
Received: by 10.239.157.147 with SMTP id q19mr601082hbc.61.1249316043185; Mon, 03 Aug 2009 09:14:03 -0700 (PDT)
In-Reply-To: <20090803014825.GA1326@rivest.dlitz.net>
References: <20090803014825.GA1326@rivest.dlitz.net>
From: Paul Swartz <paulswartz@gmail.com>
On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenberger<dlitz@dlitz.net> wrote:

> Hi Paul,

> I am the new maintainer of the Python Cryptography Toolkit, and I am
> working on a new release at http://www.pycrypto.org/.

That's great!

> I understand that you have made contributions to PyCrypto, under nickname
> "z3p" and/or other names. -p=D0May I, on your behalf, dedicate to the pu=
> blic
> domain all your contributions to PyCrypto, with the following notice?

> =C2=A0=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=3D=
> Yes, that's fine. Good luck with the new release!

-p

--=20

Paul Swartz
paulswartz at gmail dot com
http://paulswartz.net/
AIM: z3penguin
On Mon, Aug 03, 2009 at 12:13:43PM -0400, Paul Swartz wrote:
> On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenberger<dlitz@dlitz.net> wrote:
> >> Hi Paul,
> >>
> >> I am the new maintainer of the Python Cryptography Toolkit, and I am
> >> working on a new release at http://www.pycrypto.org/.
> >
> > That's great!
> >
> >> I understand that you have made contributions to PyCrypto, under nickname
> >> "z3p" and/or other names. May I, on your behalf, dedicate to the public
> >> domain all your contributions to PyCrypto, with the following notice?
> >>
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> >> to exercise all rights associated with the contents of this file for
> >> any purpose whatsoever. No rights are reserved.
> >> ====================================================
> >
>Yes, that's fine. Good luck with the new release!

Perfect! Thanks for the quick response!

--
Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key    - 19E1 1FE8 B3CF F273 ED17  4A24 928C EC13 39C2 5CF7
Py Crypto Code Submission Requirements - Rev. C

Last updated: 2009-02-28

In an effort to further clarify PyCrypto’s licensing terms, anyone submitting code to PyCrypto must be able to certify the following (taken from the Linux kernel's SubmittingPatches file):

Developer's Certificate of Origin 1.1

By making a contribution to this project, I certify that:

(a) The contribution was created in whole or in part by me and I have the right to submit it under the open source license indicated in the file; or

(b) The contribution is based upon previous work that, to the best of my knowledge, is covered under an appropriate open source license and I have the right under that license to submit that work with modifications, whether created in whole or in part by me, under the same open source license (unless I am permitted to submit under a different license), as indicated in the file; or

(c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.

(d) I understand and agree that this project and the contribution are public and that a record of the contribution (including all personal information I submit with it, including my sign-off) is maintained indefinitely and may be redistributed consistent with this project or the open source license(s) involved.

In addition, the code's author must not be a national, citizen, or resident of the United States of America.

In addition, the code must not be of U.S. origin.

In addition, all new code contributed to PyCrypto must be dedicated to the public domain as follows:
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=== EOF ===

Copyright and licensing of the Python Cryptography Toolkit ("PyCrypto"):  
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Previously, the copyright and/or licensing status of the Python Cryptography Toolkit ("PyCrypto") had been somewhat ambiguous. The original intention of Andrew M. Kuchling and other contributors has been to dedicate PyCrypto to the public domain, but that intention was not necessarily made clear in the original disclaimer (see LEGAL/copy/LICENSE.orig).

Additionally, some files within PyCrypto had specified their own licenses that differed from the PyCrypto license itself. For example, the original RIPEMD.c module simply had a copyright statement and warranty disclaimer, without clearly specifying any license terms. (An updated version on the author’s website came with a license that contained a GPL-incompatible advertising clause.)

To rectify this situation for PyCrypto 2.1, the following steps have been taken:

1. Obtaining explicit permission from the original contributors to dedicate their contributions to the public domain if they have not already done so. (See the "LEGAL/copy/stmts" directory for contributors' statements.)

2. Replacing some modules with clearly-licensed code from other sources (e.g. the DES and DES3 modules were replaced with new ones based on Tom St. Denis's public-domain LibTomCrypt library.)

3. Replacing some modules with code written from scratch (e.g. the RIPEMD and Blowfish modules were re-implemented from their respective algorithm specifications without reference to the old implementations).

4. Removing some modules altogether without replacing them.

To the best of our knowledge, with the exceptions noted below or within the files themselves, the files that constitute PyCrypto are in the public domain. Most are distributed with the following notice:
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From dlitz@dlitz.net Mon May 4 22:49:14 2009
Date: Mon, 4 May 2009 22:49:14 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Joris Bontje <joris@bontje.nl>
Subject: PyCrypto license clarification
Message-ID: <20090505024914.GA9219@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 2553

Hi Joris,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them.
The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify").

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

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in _Intellectual Property and Open Source: A Practical Guide to Protecting Code_, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, and Mark Moraes, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

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

Regards,
- Dwayne

--
Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From joris@bontje.nl Tue May 5 03:08:32 2009
X-Maildir-Dup-Checked: Yes
Hi Dwayne,

Thanks for taking over the PyCrypto library and putting in the required effort to keep this going.
I was very excited to read that it is now one of the installed libraries for Google AppsEngine!

You have my full permission to dedicate all my contributions to PyCrypto to the public domain with your suggested notice:

=======================================================================
The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.
=======================================================================

Regards,
Joris

Citeren "Dwayne C. Litzenberger" <dlitz@dlitz.net>:

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> 
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>
> Distribute and use freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express or implied. Use at your own risk or not at all.
>
> Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).
>
> --amk (www.amk.ca)
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Regards,
-Dwayne

--
Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key - 19E11FE8B3CFF273ED174A24928C139C25CF7
Excellent! Thank you!

On Tue, May 05, 2009 at 09:08:25AM +0200, joris@bontje.nl wrote:
> Hi Dwayne,
> 
> Thanks for taking over the PyCrypto library and putting in the required
effort to keep this going.
> I was very excited to read that it is now one of the installed libraries
for Google AppsEngine!
> 
> You have my full permission to dedicate all my contributions to PyCrypto to
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> )))=============================================================================
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to exercise all rights associated with the contents of this file for
> any purpose whatsoever. No rights are reserved.
> )))=============================================================================
> 
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> Joris
> 
> Citeren "Dwayne C. Litzenberger" <dlitz@dlitz.net>:
> 
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>> dissemination and usage except those imposed by the laws of your
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>>
>> Incorporating the code into commercial products is permitted; you do
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Regards,

- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

--

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

From dlitz@dlitz.net Sat Feb 28 21:45:09 2009
Date: Sat, 28 Feb 2009 21:45:09 -0500
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Barry A Warsaw <barry@python.org>
Subject: PyCrypto license clarification
Message-ID: <20090301024509.GA13195@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
Hi Barry,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify").

Distribute and use freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express or implied. Use at your own risk or not at all.

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk (www.amk.ca)

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I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate the public domain all your contributions to PyCrypto, with the following notice?

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Regards,
- Dwayne

--
Dwayne C. Litzenberger <dlitz@dlitz.net>
  Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

---
From barry@python.org Mon Mar 2 11:29:39 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <barry@python.org>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
  by rivest.dlitz.net (Postfix) with ESMTP id 6E01AC6640B
  for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 11:29:39 -0500 (EST)
  Received: from localhost (localhost [127.0.0.1])
  by goedel.dlitz.net (Postfix) with QMQP id 0644E1007A
  for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 10:29:39 -0600 (CST)
  Received: (vmailmgr-postfix 8668 invoked by uid 1003); 2 Mar 2009
  10:29:39 -0600
  Delivered-To: m-dlitz-dlitz@dlitz.net
  Received-SPF: none (python.org: No applicable sender policy available)
    receiver=goedel.dlitz.net; identity=mfrom;
    envelope-from="barry@python.org"; helo=mail.wooz.org;
    client-ip=216.15.33.230
  Received: from mail.wooz.org (216-15-33-230.c3-0.slvr-ubr2.lnh-slvr.md.static.cable.rcn.com [216.15.33.230])
  by goedel.dlitz.net (Postfix) with ESMTP id CCEA110073
  for <dlitz@dlitz.net>; Mon, 2 Mar 2009 10:29:38 -0600 (CST)
  Received: from snowdog.wooz.org (snowdog.wooz.org [192.168.11.202])
  by mail.wooz.org (Postfix) with ESMTPSA id ACE30E3C9F
  for <dlitz@dlitz.net>; Mon, 2 Mar 2009 11:29:35 -0500 (EST)
  Message-Id: <09BF1A39-B015-4820-97A3-8642490C8254@python.org>
  From: Barry Warsaw <barry@python.org>
  To: Dwayne C. Litzenberger <dlitz@dlitz.net>
  In-Reply-To: <20090301024509.GA13195@rivest.dlitz.net>
  Content-Type: text/plain; charset=UTF-8; format=flowed; delsp=yes
  Content-Transfer-Encoding: quoted-printable
  Mime-Version: 1.0 (Apple Message framework v930.3)
  Subject: Re: PyCrypto license clarification
  Date: Mon, 2 Mar 2009 11:29:34 -0500
  References: <20090301024509.GA13195@rivest.dlitz.net>
  X-Pgp-Agent: GPGMail d55 (v55, Leopard)
  X-Mailer: Apple Mail (2.930.3)
  Status: RO
  Content-Length: 869

-----BEGIN PGP SIGNED MESSAGE-----
Hash: SHA1
On Feb 28, 2009, at 9:45 PM, Dwayne C. Litzenberger wrote:

> I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

Great! I'm glad to see someone taking up the mantle of this important Python library.

> I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

Absolutely yes.

Cheers,
Barry

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.9 (Darwin)
iQCVAwUBSawJhnEjvBPmXfVAQLZjgP/ecG+JdZwNvPJRfsofrhY6+MHLDHI6agk
evkINsIJAeCVHZnV1VeR51XgDUMakZjU4SOV7MqkhsKA9llet7PaD9VSYgn3ra5
gElwIDQDoOy5GExXMm74gqrbr1PCCbCRmpaYNo+DZohwHkeFBjbwDRA3wItOrH7
SK4w9VBJtY=3D
=3DQduY
-----END PGP SIGNATURE-----

On November 23, 2008, you wrote:

> Hi Wim,

> I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

> I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?
Certainly! I think the only code of mine in PyCrypto is the CAST-5 / CAST-128 implementation, which already has a public-domain notice at the top of the file. But I am happy to have that, any any other code of mine that might have wandered in there under an unclear open sourcish license, distributed under the public-domain dedication you quote.

Wim.

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.6 (Darwin)
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wrPEa9Ou9i9=7SY9
-----END PGP SIGNATURE-----
Hi Andrew,

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Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk                                                    (www.amk.ca)

For the next PyCrypto release, I'd like to take steps to move toward a clearer licensing regime. I'm asking as many copyright holders as I can find, starting with you, if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in _Intellectual Property and Open Source: A Practical Guide to Protecting Code_, by Van Lindberg.

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Regards,
- Dwayne

--
Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

--YiEDa0DakWCtVeE4
Content-Type: application/pgp-signature; name="signature.asc"
Content-Description: Digital signature
Content-Disposition: inline

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.5 (GNU/Linux)

iEYEARECAAYFAkko52IACgkQHBG4d+eAS0XPPQCfcyQ2DdAXKg9N7Z+jeSFFD5EZ
yloAn33a3ZjkeyJaTbzEqImOEW8JGpf
=aBEW
-----END PGP SIGNATURE-----

--YiEDa0DakWCtVeE4--
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> The text in the current LICENSE file (quoted below) is not entirely clear
> on the point of whether distributing modified versions is allowed. (It
> says "distribute and use", but not "modify".)

The intention is that it be public domain.

> May I, on your behalf, dedicate to the public domain your considerable
> contributions to PyCrypto, with the following notice?

You may.

--amk

From dlitz@dlitz.net Sat Apr 18 09:14:20 2009
Date: Sat, 18 Apr 2009 09:14:20 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Mark Moraes <moraes@computer.org>
Subject: PyCrypto license clarification
Message-ID: <200904018131419.GA14494@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 2635
Hi Mark,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

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

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

Regards,
Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From markmoraes@yahoo.com Mon Apr 20 19:25:37 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <markmoraes@yahoo.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
  by rivest.dlitz.net (Postfix) with ESMTP id 5D9AE984FDD
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 19:25:37 -0400 (EDT)
Received: from localhost (localhost [127.0.0.1])
  by goedel.dlitz.net (Postfix) with QMQP id DE41F4025F
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)
Received: (vmailmgr-postfix 7604 invoked by uid 1003); 20 Apr 2009 17:25:36 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net

Received-SPF: none (yahoo.com: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom;
  envelope-from="markmoraes@yahoo.com";
  holo=web32405.mail.mud.yahoo.com; client-ip=68.142.207.198
Received: from web32405.mail.mud.yahoo.com (web32405.mail.mud.yahoo.com [68.142.207.198])
  by goedel.dlitz.net (Postfix) with SMTP id B5EAF41EE
for <dlitz@dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)
Received: (qmail 34697 invoked by uid 6001); 20 Apr 2009 23:25:33 -0000
DKIM-Signature: v=1; a=rsa-sh256; c=relaxed/relaxed; d=yahoo.com;
  s=s1024; t=1240269933;
b=OvxqbYnCg7R6tUN3YmlgFURM3CuH1JeHyXhDzkaThU=; h=Message-ID:X-YMail-OSG:Received:X-Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;
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DomainKey-Signature:a=rsa-sha1; q=dns; c=nofws;
  s=s1024; d=yahoo.com;
  h=Message-ID:X-YMail-OSG:Received:X-Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;
b=r6RShFf5FvQLgL9tc1nxKuo4Rs4lvxf6fdqOpQrMyRCxFeoebbhuTE35grGqomOJLwM0+miZwRb6rgkJD763caOAlo8Ect/q1ADW5izXfmVQaDchTbTqmpsbJBMqNqTqS9iT+lnrG+3U1wtUSGi7fhEUml9P/HBzxfWP4b3j
  eoo=
Message-ID: <551071.34569.qm@web32405.mail.mud.yahoo.com>
X-YMail-OSG:
FrK8aWVMVM1mFjLtLpMGUbCLjbuUCQ.iJKlAKUHsFsFn79PbtewAewXJ2uhZGCO1GCX6oVnG3u.CgqzAffFy
  4vZSmfTT8wnCkzZNZ_g6k.Xuc3ipo_6e.927XIq8MxDGAf1tpNF5nXPwcQ7aREs7jGoWV7YJYVtp50cIsUFs
  Hz772pba8PYIyoe_xzf30Ag4SH5fCrbFC8sHPCwurL3YhabstHmKWFtE25.x6gEcbaxf03oz4FeDb5mp154g1l1X
  onq8h_TmzX9g84BIn9g_304WSXn6g66.tohl.YtXeUoxj4j036wvyWpTKPrWEziUqaN83Sv_bh_Ghwx--
Received: from [69.124.140.74] by web32405.mail.mud.yahoo.com via HTTP; Mon, 20 Apr 2009 16:25:32 PDT
X-Mailer: YahooMailClassic/5.2.15 YahooMailWebService/0.7.289.1
Date: Mon, 20 Apr 2009 16:25:32 -0700 (PDT)
From: M Moraes <markmoraes@yahoo.com>
Reply-To: moraes@computer.org
Hi Dwayne.

Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies for not responding to your previous e-mail.

Regards,
Mark.

--- On Sat, 4/18/09, Dwayne C. Litzenberger <dlitz@dlitz.net> wrote:

> From: Dwayne C. Litzenberger <dlitz@dlitz.net>
> Subject: PyCrypto license clarification
> To: "Mark Moraes" <moraes@computer.org>
> Date: Saturday, April 18, 2009, 9:14 AM
> Hi Mark,
> 
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> 
> 
> ===========================================================
> 
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>
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> (www.amk.ca)
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> domain is not available, everyone
> is granted a worldwide, perpetual,
> royalty-free, non-exclusive license
> to exercise all rights associated with
Thanks a lot, and don't worry about not responding to previous emails. I do that too much myself. :)

On Mon, Apr 20, 2009 at 04:25:32PM -0700, M Moraes wrote:

> Hi Dwayne.
>
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>
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```
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======================================================================
```

Regards,
- Dwayne

-- Dwayne C. Litzenberger <dlitz@dlitz.net>
  Key-signing key - 19E1 F273 ED17 4A24 928C EC13 39C2 5CF7
1.1671 native-lib-loader 2.0.2

1.1672 spring-boot 2.1.4

1.1673 jackson-dataformat-yaml 2.9.8

1.1673.1 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 commercially by FasterXML.com.

## Licensing

Jackson core and extension components may be licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).

## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses. This copy of Jackson JSON processor YAML module is licensed under the Apache (Software) License, version 2.0 ("the License"). See the License for details about distribution rights, and the specific rights regarding derivate works.

You may obtain a copy of the License at:

http://www.apache.org/licenses/LICENSE-2.0
1.1674 bouncy-castle 1.40

1.1675 springfoxswagger 2.7.0

1.1676 jersey-common 2.23.1

1.1677 liberror-perl 0.17025 1

1.1677.1 Available under license:

Terms of Perl itself

a) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version, or
b) the "Artistic License"

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Version 2, June 1991

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

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

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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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M. Welsh, 6 July 1996

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TI DSP/Bridge Driver - Contributors File

The DSP/Bridge project wish to thank all of its contributors, current bridge driver is the result of the work of all of them. If any name is accidentally omitted, let us know by sending a mail to omar.ramirez@ti.com or x095840@ti.com.

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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.

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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
            || strcmp(license, "Dual MPL/GPL") == 0);
}

#endif
```

1.1686 grpc-protobuf-nano 1.6.0

1.1687 lua 5.3.5-r2
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mini_sendmail - accept email on behalf of real sendmail

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--- 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"
 # 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 \n--host=$CHOST \n--prefix=/usr 
make 
}

package() { 
cd "$builddir" 
make DESTDIR="$pkgdir" install 
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

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+++. $arch=$(uname -m)
for t in msdos gpt bsd; do
  if [ "$t" = bsd ] && [ "$arch" = "s390x" ]; then
    continue
  fi
  duplicate $t || fail=1
done

fix issues with fortify-headers and the way openssh handles the needed
BSD compatible realpath(3).
unconditionally use the provided realpath() as otherwise cross-builds
would try to use musl realpath() which is posix compliant and not
working to openssh expectations.

-#if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
-/*
- * glibc's FORTIFY_SOURCE can redefine this and prevent us picking up the
- * compat version.
- */

#define BROKEN_REALPATH
#define realpath(x, y) _ssh_compat_realpath(x, y)
#endif

char *realpath(const char *path, char *resolved);
#endif

ifndef HAVE_RRESVPORT_AF
int rresvport_af(int *alport, sa_family_t af);
diff -ru openssh-7.2p2.orig/openbsd-compat/realpath.c openssh-7.2p2/openbsd-compat/realpath.c
--- openssh-7.2p2.orig/openbsd-compat/realpath.c 2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/openbsd-compat/realpath.c 2016-07-18 13:33:45.420721690 +0300
@@ -31,7 +31,7 @@
#include "includes.h"

#ifdef HAVE_REALPATH || defined(BROKEN_REALPATH)
+if 1

#include <sys/types.h>
#include <sys/param.h>
@@ -58,7 +58,7 @@
 * in which case the path which caused trouble is left in (resolved).
 */

char *
-realpath(const char *path, char *resolved)
+ssh_realpath(const char *path, char *resolved)
{
 struct stat sb;
 char *p, *q, *s;
diff -ru openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
--- openssh-7.2p2.orig/sftp-server.c 2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c 2016-07-18 13:34:29.131267241 +0300
@@ -1162,7 +1162,7 @@
 }
 debug3("request %u: realpath", id);
 verbose("realpath "\"%s\"", path);
-if (realpath(path, resolvedname) == NULL) {
+if (ssh_realpath(path, resolvedname) == NULL) {
 send_status(id, errno_to_portable(errno));
 } else {
 Stat s;
 # 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=0
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/"
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="perl-dev $cpandepends"
makedepends="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
    default_prepare

cd "$builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor }

build() {
    cd "$builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
make 
}

check() {
    cd "$builddir"
makes test 
}

package() {
    cd "$builddir"
makes DESTDIR="$pkgdir" install
find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) \-delete 
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb6b2067daedaf53bd15fb6561a3d0f828df16df25417f663b8065baf6f4f4efa16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=2
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/$_pkgname-$pkgver.tar.gz"
builddir="${srcdir}/${_pkgname}-${pkgver}

build() {
  cd "$builddir"
  python3 setup.py build || return 1
}

package() {
  cd "$builddir"
  python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fddd62fccfe2b73 flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586e3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90 flake8-copyright-0.2.0.tar.gz"

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pkgnamespdx-licenses
pkgver=3.5
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="4b4bcde554ee69e9e0703152a2d09e2a3c49314718d6b7e0847c0df6a989d5d4684d152e899e8bbbb3b
  a2767ded027eacfe1eb6aef945ef2c5aa933cfd2ec license-list-data-3.5.tar.gz"

1.1688 google-uuid 1.5.2 0.7.git269f928.el7

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1.1690 gettext 2.17 157.el7_3.4

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
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- the documentation.

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Version 3, 29 June 2007

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@end enumerate

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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
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@end smallexample

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample

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

@iftex
@end iftex
@end ifinfo
@end center

@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 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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@var{one line to give the program's name and a brief idea of what it does.}
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@end example
Also add information on how to contact you by electronic and paper mail.

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This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
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1.1701 ncurses 5.9 13.20130511.el7

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1.1703 springfox-spring-web 2.9.2

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1.1705 jsr311-api 1.1.2.r612

1.1706 spring-aop 5.1.9

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

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the
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e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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

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1.1726 nghttp 1.30.0 1ubuntu1

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set xtics rotate by -45
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1.1727 elfutils 0.176 1.1
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@c Local Variables:
c @c ispell-local-pdict: "ispell-dict"
c End:

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Version 3, 29 June 2007

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1.1742 apr 1.6.5

1.1743 glibc 2.25 r0

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1.1744 slf4j 1.7.24

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1.1746 hazelcast-spring 3.7.5

1.1747 asm-tree 5.0.3

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A. HISTORY OF THE SOFTWARE

contextlib2 is a derivative of the contextlib module distributed by the PSF
as part of the Python standard library. According, it is itself redistributed
under the PSF license (reproduced in full below). As the contextlib module
was added only in Python 2.5, the licenses for earlier Python versions are
not applicable and have not been included.

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 that included the contextlib module.

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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@(#) SRCSfile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $
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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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AUTHOR

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. The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com>
and David Slattengren <slatteng@Xinet.COM>. These files have been part
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    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 `xview' 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.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
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/meintro_fr.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

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1.1776 dash 0.5.8 2.10

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/*

#ifndef UV_BSD_H
#define UV_BSD_H

#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 */
#endif /* UV_BSD_H */

Files: *

Files: getopt.c

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@page
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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
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@end example

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1.1782 bolt 1.6.0

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1.1795 reflections 0.9.11

1.1796 jersey-media-json-jackson 2.27

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1.1798 zstd-jni 1.3.8-1

1.1799 conntrack-tools
1.4.4+snapshot20161117 6ubuntu2

1.1800 libssh 0.8.0~20170825.94fa1e38
1ubuntu0.2

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1.1803 protocol-buffers 3.10.0

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1.1804 mina 2.0.7

1.1805 base-files 9.9+deb9u8

1.1806 neo4j-lucene-index 3.3.9
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1.1812 google-protobuf 3.2.0

1.1813 libcap-ng 0.7.9-2
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    <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>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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**1.1823 pac4j-oauth 2.1.0**

**1.1824 sbsigntool 0.6 3.2ubuntu2**

**1.1824.1 Available under license:**

sbsigntool - utilities for signing UEFI binaries for use with secure boot.

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1.1825 java-nats-streaming 0.4.1

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1.1826 time 1.7 25.1build1
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1.1827 antlr4-annotations 4.3

1.1828 lsof 4.89+dfsg-0.1

1.1828.1 Available under license:

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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);

/**
 * 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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xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
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>

<xsl:variable name="isc.copyright.text">
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</xsl:text>
</xsl:variable>
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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.

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

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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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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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@item
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@end enumerate

@end enumerate

@subheading END OF TERMS AND CONDITIONS

@page
@subheading How to Apply These Terms to Your New Libraries

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@example
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import re
import sys
import textwrap
from pathlib import Path

# The standard short names in Debian are defined here:
# https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/

license_information = [
    {'shortname': 'BSD-3-clause'},
    {'filename': 'BSD-3-clause-UCB'},
]
'upstream_names': ['BSD_3_CLAUSE_UCB'],
],
{
'upstream_names': ['BSD-4-clause'],
'filename': 'BSD-4-clause-UCB',
'upstream_names': ['BSD_4_CLAUSE_UCB', 'BSD_ONELINE_CDROM'],
},
{
'shortname': 'Expat',
'filename': 'Expat',
'upstream_names': ['PERMISSIVE_MISC', 'MIT'],
},
{
'shortname': 'freely-redistributable',
'filename': 'freely-redistributable',
'upstream_names': ['FREELY_REDISTRIBUTABLE'],
},
{
'shortname': 'GPL-2',
'filename': 'GPL-2',
'upstream_names': ['GPLv2_MISC', 'GPLv2_ONELINE'],
},
{
'shortname': 'GPL-2+',
'filename': 'GPL-2+',
'upstream_names': ['GPLv2+_DOC_FULL', 'GPLv2+_DOC_MISC',
'GPLv2+_DOC_ONEPARA', 'GPLv2+_SW_3_PARA',
'GPLv2+_SW_ONEPARA'],
},
{
'shortname': 'henry-spencer-regex',
'filename': 'henry-spencer-regex',
'upstream_names': ['MISC'],
},
{
'shortname': 'LDPv1',
'filename': 'LDPv1',
'upstream_names': ['LDPv1'],
},
{
'shortname': 'public-domain',
'filename': 'public-domain',
'upstream_names': ['PUBLIC_DOMAIN'],
}
# This shortname is not defined by the standard.
'shortname': 'verbatim',
'filename': 'verbatim',
'upstream_names': ['VERBATIM', 'VERBATIM_ONE_PARA', 'VERBATIM_TWO_PARA', 'VERBATIM_PROF'],
]
}

licenses_with_manpages = {}
symlinks = {}

def get_license_shortname(name):
    # Gets the Debian shortname for the name supplied by upstream.
    # Includes a check that upstream's names are only assigned
to one shortname.
    shortname = 
    already_found = False
    for info in license_information:
        if name in info['upstream_names']:
            if not already_found:
                shortname = info['shortname']
                already_found = True
            else:
                sys.exit("Fatal error: Upstream license name defined multiple times: " + name)
    return shortname

def add_manpage_to_shortname(manpage, copyright_holders, licenses):
    # Ensure a string for the filename
    filename = str(manpage)
    # Strip the leading "./"
    filename = filename[3:len(filename)]
    # Common case: only one license for the manpage, so
    # the shortname is just e.g. "GPL-2+"
    shortname = " and ".join(sorted(licenses))
    if shortname not in licenses_with_manpages:
        licenses_with_manpages[shortname] = {'files': [filename], 'copyright': copyright_holders}
    else:
        licenses_with_manpages[shortname]['files'].append(filename)
        # Do not add same lines twice
        existing_copyright_holders = licenses_with_manpages[shortname]['copyright']
        joined_copyright_holders = list(set(existing_copyright_holders + copyright_holders))
        licenses_with_manpages[shortname]['copyright'] = joined_copyright_holders

def get_copyright_stanza(shortname, file_info):
    stanza = ""
# Collect files and symlinks into a common list
all_files = file_info['files']
for file in file_info['files']:
    if file in symlinks:
        all_files = all_files + symlinks[file]
# Join the files into a whitespace separated list,
# at most 76 characters long
files = ' '.join(sorted(all_files))
# The wrap is 69 + 7 (length of "Files: ") = 76
files = textwrap.wrap(files, width=69, break_long_words=False, break_on_hyphens=False)
files = '
       '.join(files)
# Now format the copyright holders
copyright = '
           '.join(sorted(file_info['copyright']))
# An empty field is an error, so ensure a value
if len(copyright) == 0:
copyright = "(could not be detected automatically)"
# Finally, create the stanza
stanza += "Files: " + files
stanza += "\nCopyright: " + copyright
stanza += "\nLicense: " + shortname + "\n\n"
return stanza

def get_license_text(shortname):
    """Gets the text for the Debian license shortname."""
text = ""
for info in license_information:
    if info['shortname'] == shortname:
        text += "License: " + shortname + "\n"
with open("licenses/" + info['filename']) as licensefile:
    for line in licensefile:
        text += " " + line
return text

p = Path("..")
for manpage in p.glob("man?/*"):  
    with manpage.open() as file:
        licenses = []
copyright_holders = []
manpage_is_symlink = False
for line in file:
    # Do not create copyright stanzas for symlink files
    # but add them to a symlink list
    symlink = re.search('^\s*.*\(.*\)
    if symlink:
        manpage_is_symlink = True
    # Ensure a string for the filename
    linkname = str(manpage)
    # Strip the leading "./"
Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.016779

```python
linkname = linkname[3:len(linkname)]
filename = symlink.group(1)
if filename in symlinks:
symlinks[filename].append(linkname)
else:
symlinks[filename] = [linkname]
break
# Only parse the header, so stop after seeing ".TH"
if re.search(r"^\.TH", line):
    break
# Extract all copyright holders
copyright = re.search(r"^\".*?Copyright (.*)", line)
if copyright:
copyright_holders.append(copyright.group(1))
# Match the beginning of the license
license_start = re.search(r"^\" %%%LICENSE_START\((.*)\)\", line)
if license_start:
    license_name = license_start.group(1)
    license_short_name = get_license_shortname(license_name)
    if not license_short_name:
sys.exit("Fatal error: Upstream license name not known: "+ license_name)
    licenses.append(license_short_name)
    if not manpage_is_symlink:
        add_manpage_to_shortname(manpage, copyright_holders, licenses)
# Flatten the symlinks by detecting and removing
# a symlink which points to another symlink.
for link_to_test in symlinks:
    # Now cycle through all symlink entries
    for link in symlinks:
        if link_to_test in symlinks[link]:
            symlinks[link] = symlinks[link] + symlinks[link_to_test]
# Make sorting of licenses deterministic
stanzas = ""
license_texts = []
for shortname in sorted(licenses_with_manpages):
stanzas += get_copyright_stanza(shortname, licenses_with_manpages[shortname])
text = get_license_text(shortname)
if text:
    license_texts.append(text)
# Read in the first lines of copyright, without
# the automatically generated parts. Stop after
# the third occurrence of "License".
manual_lines = ""
license_line_count = 0
with open("copyright") as copyright_file:
```
for line in copyright_file:
    manual_lines += line
if re.search(r'^License:', line):
    license_line_count += 1
if license_line_count == 3:
    # Add a final newline for separation
    manual_lines += "n"
    break

# Open the file for output
with open("copyright", "w") as copyright_file:
    copyright_file.write(manual_lines)
    copyright_file.write(stanzas)
    copyright_file.write("n\n".join(license_texts))
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1.1865 jopt-simple 5.0.4

1.1866 zookeeper 3.5.5

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1.1869 postgresql 11.4 r0

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PostgreSQL Database Management System
(formerly known as Postgres, then as Postgres95)

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34.12. Notice Processing

Notice and warning messages generated by the server are not returned by the query execution functions, since they do not imply failure of the query. Instead they are passed to a notice handling function, and execution continues normally after the handler returns. The default notice handling function prints the message on

\[
\text{stderr}
\]

but the application can override this behavior by supplying its own handling function.

For historical reasons, there are two levels of notice handling, called the notice receiver and notice processor. The default behavior is for the notice receiver to format the notice and pass a string to the notice processor for printing. However, an application that chooses to provide its own notice receiver will typically ignore the notice processor layer and just do all the work in the notice receiver.

The function

```c
PQsetNoticeReceiver()
```
sets or examines the current notice receiver for a connection object. Similarly, \texttt{PQsetNoticeProcessor()} sets or examines the current notice processor.

Each of these functions returns the previous notice receiver or processor function pointer, and sets the new value. If you supply a null function pointer, no action is taken, but the current pointer is returned.

When a notice or warning message is received from the server, or generated internally by \texttt{libpq()}, the notice receiver function is called. It is passed the message in the form of a \texttt{PGRES\_NONFATAL\_ERROR} \texttt{PGresult}. (This allows the receiver to extract individual fields using \texttt{PQresultErrorField()}, or obtain a complete preformatted message using \texttt{PQresultErrorMessage()} or \texttt{PQresultVerboseErrorMessage()}. The same void pointer passed to \texttt{PQsetNoticeReceiver()} is also passed. (This pointer can be used to access application-specific state if needed.)

The default notice receiver simply extracts the message (using \texttt{PQresultErrorMessage()}) and passes it to the notice processor.

The notice processor is responsible for handling a notice or warning message given in text form. It is passed the string text of the message (including a trailing newline), plus a void pointer that is the same
one passed to <code class="function">PQsetNoticeProcessor</code>. (This pointer can be used to access application-specific state if needed.)

```c
static void defaultNoticeProcessor(void *arg, const char *message)
{
    fprintf(stderr, "%s", message);
}
```

Once you have set a notice receiver or processor, you should expect that that function could be called as long as either the object or the current notice handling pointers are copied into the objects for possible use by functions like <code class="function">PQgetvalue</code>.

Once you have set a notice receiver or processor, you should expect that that function could be called as long as either the object or the current notice handling pointers are copied into the objects for possible use by functions like <code class="function">PQgetvalue</code>.

This authentication method operates similarly to <code class="literal">password</code> except that it uses BSD Authentication to verify the password. BSD Authentication is used only for compare and encrypt operations.
to validate user name/password pairs. Therefore the user’s role must already exist in the database before BSD Authentication can be used for authentication. The BSD Authentication framework is currently only available on OpenBSD.

BSD Authentication in <span class="productname">PostgreSQL</span> uses the <code class="literal">auth-postgresql</code> login type and authenticates with the <code class="literal">postgres</code> login class if that’s defined in <code class="filename">login.conf</code>. By default that login class does not exist, and <span class="productname">PostgreSQL</span> will use the default login class.

To use BSD Authentication, the PostgreSQL user account (that is, the operating system user running the server) must first be added to the <code class="literal">auth</code> group. The <code class="literal">auth</code> group exists by default on OpenBSD systems.

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1.1873 spring-boot-starter-tomcat 2.1.5

1.1874 dcron 4.5 r4

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1.1904 grizzly-rcm 1.9.8

1.1905 angular-ui 0.4.0 3

1.1906 guava 19.0

1.1907 acct 6.6.4 1

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1.1910 spring-boot-configuration-metadata
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**1.1916 audit 2.8.4 3**

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1.1917 mlocate 0.26-2ubuntu3.1

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# canonicalize-lgpl.m4 serial 4
dnl Copyright (C) 2003, 2006-2007 Free Software Foundation, Inc.
dnl This file is free software; the Free Software Foundation
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dnl with or without modifications, as long as this notice is preserved.

AC_DEFUN([gl_CANONICALIZE_LGPL],
[
dnl Do this replacement check manually because the file name is shorter
dnl than the function name.
AC_CHECK_DECLS_ONCE(canonicalize_file_name)
AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
if test $ac_cv_func_canonicalize_file_name = no; then
AC_LIBOBJ(canonicalize-lgpl)
AC_DEFINE([realpath], [rpl_realpath],
[Define to a replacement function name for realpath().])
gl_PREREQ_CANONICALIZE_LGPL
fi
])

# Like gl_CANONICALIZE_LGPL, except prepare for separate compilation
# (no AC_LIBOBJ).
AC_DEFUN([gl_CANONICALIZE_LGPL_SEPARATE],
[
AC_CHECK_DECLS_ONCE(canonicalize_file_name)
AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
gl_PREREQ_CANONICALIZE_LGPL
])

# Prerequisites of lib/canonicalize-lgpl.c.
AC_DEFUN([gl_PREREQ_CANONICALIZE_LGPL],
[
AC_CHECK_HEADERS_ONCE(sys/param.h unistd.h)
AC_CHECK_FUNCS_ONCE(getcwd readlink)

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

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The End

1.1969 spring-boot-starter-actuator 2.1.4

1.1970 jersey-container-servlet-core 2.25.1

1.1971 jetty-util 8.1.7.v20120910

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1.1977 spring-expression 5.0.5

1.1978 cdebconf 0.227

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1.1979 json-smart 2.2.1

1.1980 grizzly-utils 1.9.8
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1.1981 audit 2.6.7 2

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1.1984 e2fsprogs 1.43.4~WIP.2017.01.30 1

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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) $(BSD_LIB) \n$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \n-$(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>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Gadi Oxman, August 1995

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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

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-
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system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
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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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1.1989 gdbm 1.10-8.el7

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1.1993 libuser 0.60-7.el7_1

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1.1996 json-simple 1.1.1

1.1997 neo4j values 3.3.9

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1.2002 annotations 4.1.1.4

1.2003 linux-meta 4.15.0.65.67

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1.2005 six 1.11.0-2

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

1.2008 sudo 1.8.21p2 3ubuntu1.1

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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.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Frysgin, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, YOSHIFUJI
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeaw, Chris
Jorge, Joel Pele
Pele Jorge, Joel
Juhani, Timo
KIKUCHI, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieuwsma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
SATO, Yuichi
Sanchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogus, Jakub
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Ferreira, Rafael
Garca-Fontes, Walter
Gezer, Volkan
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1.2011 libcgi-fast-perl 2.13 1

1.2012 fish 3.0.2 r3
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End

widecharwidth - wcwidth implementation
Written in 2018 by ridiculous_fish

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```
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 * 
 */
```

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1.2014 junixsocket-common 2.0.4

1.2015 guava 28.1

1.2016 glib 2.56.4 0ubuntu0.18.04.4

1.2017 net-tools 2.0 0.17.20131004git.el7

1.2017.1 Available under license :

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# Jackson JSON processor

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1.2022 commons-lang 3.7

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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
THREADS CPPFLAGS = -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
## Compilation rules

%.$(STATIC_O): $(srcrel)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%o: $(srcrel)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcrel)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%o: $(srcrel)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules

%d: $(srcrel)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \n| sed ""s/\(^\*$\).o[ :]+\(\)/\1.o $@ : /g" \n| -s $@ ] || rm -f $@’
%d: $(srcrel)/%.cpp
@echo "generating dependency information for $<"
@$SHELL -ec '$(GEN_DEPS.cc) $< \n| sed ""s/\(^\*$\).o[ :]+\(\)/\1.o $@ : /g" \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).$(SO).$(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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  - javaee_web_services_1_3.xsd
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- javae_web_services_client_1_2.xsd
- javae_6.xsd
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- javaee_web_services_client_1_3.xsd
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- web-app_3_0.xsd
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- web-fragment_3_0.xsd
- javaee_7.xsd
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- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
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AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

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+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371

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

image:$BSDLIB

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSDLIB)
$(RM) -f ../$(BSDLIB)
/*

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 */
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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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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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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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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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Theodore Ts'o
23-June-2007

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

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

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

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

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

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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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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.

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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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Gadi Oxman, August 1995

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3*
3 !"#aKLMY %&'&(*)&aKL
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45*@B
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      <configuration>
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            </classpath>
          </taskdef>
          <licensetool srcDir="." validate="true" skipdirs=".svn,.cvs" copyright="target/test-classes/copyright/copyright.txt" startyear="1997" dryrun="false" includes="target/test-classes/testsrc"/>
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  </dependency>
</dependencies>
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  <artifactId>ant</artifactId>
  <version>1.6.5</version>
</dependency>
</dependencies>
</project>

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The image contains a page with text that appears to be a part of a larger document, possibly related to software development or programming. The text includes various identifiers, comments, and code structures typical of Java or similar programming languages. The code snippet includes methods and variables, indicating it is part of a larger program or library.

The text is not entirely legible due to the size and quality of the image, but it seems to be discussing features or components related to change automation and health insights, possibly in the context of Crosswork or another related product.

Given the nature of the content, it is likely part of a documentation or source code for a software tool or application that deals with automation and monitoring aspects of software development environments.
<target name="fix-copyright" description="Fixes licence boilerplate at all source files">
  <licensetool srcDir="../.."
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jersey/maven/**.xml **/*pom*.xml">
  </licensetool>
</target>

</project>

Manifest-Version: 1.0
Archiver-Version: Plexus Archiver
Created-By: Apache Maven
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Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.018072

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  above); and, if the work is an executable linked
  with the Library, with the complete machine-readable &amp;#8220;&lt;span class="quote">work that
  uses the Library</span>&amp;#8221;, as object code and/or source code, so that the
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- Use a suitable shared library mechanism for linking with the
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<div class="titlepage">
<div><h3 class="title"><a name="lgpl-2-16"></a>Section 16</h3></div>
</div>
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<div class="section" lang="en">
<div class="titlepage">
<div><h2 class="title" style="clear: both"><a name="lgpl-3"></a>How to Apply These Terms to Your New Libraries</h2></div>
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package com.sun.jersey.impl.json;

import java.util.LinkedList;
import java.util.List;
import javax.xml.bind.annotation.XmlRootElement;

@XmlRootElement
public class Permission {
    public Integer id;
    public List<Permission> children; // optional, holds the children permission of this one

    public static Permission getRootPermission() {
        Permission result = new Permission();
        result.id = 7;
        result.children = new LinkedList<Permission>();
        result.children.add(getChildPermission());
        return result;
    }

    public static Permission getChildPermission() {
        Permission result = new Permission();
        result.id = 8;
        result.children = new LinkedList<Permission>();
        result.children.add(get2ndLevelChildPermission());
        return result;
    }

    public static Permission get2ndLevelChildPermission() {
        Permission result = new Permission();
        result.id = 9;
        return result;
    }
}

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1.2054 commons-configuration2 2.2
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1.2056 commons-codec 1.10

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* questions.
*/
package java.security.acl;

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 * @author Satish Dharmaraj
 */
public interface Permission {

/**
 * Returns true if the object passed matches the permission represented
 * in this interface.
 * @param another the Permission object to compare with.
 * @return true if the Permission objects are equal, false otherwise
 */
public boolean equals(Object another);

/**
 * Prints a string representation of this permission.
 * @return the string representation of the permission.
 */
public String toString();
}

show()Zaccept()V
SourceFileEula.java com/sun/javafx/runtime/eula/Eula/java/lang/Object

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package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 *
 * <p>Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a @code java.io.FilePermission object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * @code java.lang.RuntimePermission,
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 *
 * <p>An important method that must be implemented by each subclass is
 * the @code implies method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 * Thus, this is not an equality test, but rather more of a
 * subset test.
 *
 * Permission objects are similar to String objects in that they
 * are immutable once they have been created. Subclasses should not
 * provide methods that can change the state of a permission
 * once it has been created.
 */
public abstract class Permission implements Guard, java.io.Serializable {

    private static final long serialVersionUID = -5636570222231596674L;

    private String name;

    /**
     * Constructs a permission with the specified name.
     *
     * @param name name of the Permission object being created.
     *
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * Implements the guard interface for a permission. The
     * [ @code SecurityManager.checkPermission] method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.
     *
     * @param object the object being guarded (currently ignored).
     *
     * @throws SecurityException
     *        if a security manager exists and its
     *        [ @code checkPermission] method doesn't allow access.
     *
     */
    public void checkGuard(Object object) throws SecurityException {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null) sm.checkPermission(this);
    }
}
/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * <p>
 * This must be implemented by subclasses of Permission, as they are the
 * only ones that can impose semantics on a Permission object.
 * 
 * The {code implies} method is used by the AccessController to determine
 * whether or not a requested permission is implied by another permission that
 * is known to be valid in the current execution context.
 * 
 * @param permission the permission to check against.
 * @return true if the specified permission is implied by this object,
 * false if not.
 */

public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <p>
 * Do not use the {code equals} method for making access control
 * decisions; use the {code implies} method.
 * 
 * @param obj the object we are testing for equality with this object.
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <p>
 * The required {code hashCode} behavior for Permission Objects is
 * the following:
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
 * {code hashCode} method
 * must consistently return the same integer. This integer need not
 * remain consistent from one execution of an application to another
 * execution of the same application.
 * <li>If two Permission objects are equal according to the
 * {code equals} method, then calling the {code hashCode} method on each of the

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two Permission objects must produce the same integer result.

* @return a hash code value for this object.
*/

public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a @code java.io.FilePermission,
 * the name will be a pathname.
 * @return the name of this Permission.
 */

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * @pre
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * @</pre>
 * *
 * both return
 * "read,write" when the @codegetActions} method is invoked.
 * @return the actions of this Permission.
 */

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics

* when the \{@code PermissionCollection.implies\} method is called.
* If null is returned,
* then the caller of this method is free to store permissions of this
* type in any PermissionCollection they choose (one that uses a Hashtable,
* one that uses a Vector, etc).
* *
* @return a new PermissionCollection object for this type of Permission, or
* null if one is not defined.
*/

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: ('ClassName' 'name' 'actions'), or
 * 'ClassName' 'name') if actions list is null or empty.
 * *
 * @return information about this Permission.
 */

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + " " + actions + "")";
    }
}

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 */
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/**
 * A simple interface to show the End User License Agreement(EULA) dialog
 */
public interface Eula {

    /**
     * display the eula dialog, if not already shown
     * @return false if eula was rejected, true otherwise
     */
    public boolean show();

    /**
     * accept the EULA, so no EULA dialog will be displayed
     */
    public void accept();
}
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Version 2, June 1991

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1.2072 nss 3.36.1 r1

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uv__io_t event_watcher;
#define UV_IO_PRIVATE_PLATFORM_FIELDS
  int rcount;
  int wcount;

#define UV_HAVE_KQUEUE 1

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1.2082 quartz 2.3.0

1.2083 docker-ce 18.09.2~3-0~ubuntu bionic

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package model

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import "time"
// A CheckResponse is the internal content of the PublicCheckResponse signed
// json blob.

type CheckResponse struct {
    Expiration  time.Time `json:"expiration"`
    Token       string    `json:"token"`
    MaxEngines  int       `json:"maxEngines"`
    ScanningEnabled bool    `json:"scanningEnabled"`
    Type        string    `json:"licenseType"`
    Tier        string    `json:"tier"`
}

// IssuedLicense represents an issued license

type IssuedLicense struct {
    KeyID         string `json:"key_id"`
    PrivateKey    string `json:"private_key"`
    Authorization string `json:"authorization"`
}

// Valid returns true if the License is syntactically valid, false otherwise
func (l *IssuedLicense) Valid() (bool, string) {
    if l.KeyID == "" {
        return false, "empty key_id"
    }

    if l.PrivateKey == "" {
        return false, "empty private_key"
    }

    if l.Authorization == "" {
        return false, "empty authorization"
    }

    return true, ""
}

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package licensing

import (  
"context"  
"crypto/hmac"  
"crypto/sha256"  
"encoding/base64"  
"encoding/json"  
"fmt"  
"time"  

"github.com/docker/libtrust"  
"github.com/docker/licensing/lib/errors"  
"github.com/docker/licensing/lib/go-clientlib"  
"github.com/docker/licensing/model"
)

func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {  
url := c.baseURI  
url.Path += fmt.Sprintf("/api/billing/v4/subscriptions/%s/license-file", subID)

license := new(model.IssuedLicense)  
if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {
return nil, err

return license, nil

// Check verifies that the license identified by the given key id is valid. Note that it does not
// interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    authorization, err := c.getAuthorization(ctx, license)
    if err != nil {
        return nil, err
    }

    // TODO: Mason - replace this parseJWS with a non libtrust lib
    signature, err := libtrust.ParseJWS(authorization)
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license parse JWS failed")
    }

    keys, err := signature.Verify()
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license signature verification failed")
    }

    keyCnt := len(keys)
    if keyCnt != 1 {
        err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
        return nil, errors.WithStack(err).With(errors.Fields{
            "key_id": keyID,
        })
    }

    key := keys[0]
    if !c.recognizedSigningKey(key) {
        return nil, errors.New("unrecognized signing key")
    }

    payload, err := signature.Payload()
    if err != nil {

}
return nil, errors.Wrapf(err, errors.Fields{
  "key_id": keyID,
}, "malformed signature payload")
}

cHECKRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if err != nil {
  return nil, errors.Wrapf(err, errors.Fields{
    "key_id": keyID,
  }, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
  return nil, errors.Wrap(err, errors.Fields{
    "key_id": keyID,
  })
}

return checkRes, nil

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise
func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
  for _, publicKey := range c.publicKeys {
    if key.KeyID() == publicKey.KeyID() {
      return true
    }
  }
  return false
}

// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
  decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
  if err != nil {
    return nil, errors.Wrapf(err, errors.Fields{
      "key_id": license.KeyID,
    }, "decoding license authorization failed")
  }
  return decoded, nil
}

// All of the functions in this file assume that they are receiving a properly
// formatted private key.
// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating
// the validity of both the message and the private key of the person who generated
// the token.
func checkToken(message, token, privateKey string) error {
    tokenBytes, err := base64.URLEncoding.DecodeString(token)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    generatedToken, err := generateToken(message, privateKey)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    if !hmac.Equal(tokenBytes, generatedBytes) {
        return errors.Forbidden(errors.Fields{"token": token}, "invalid token")
    }

    return nil
}

// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.
func generateToken(message, privateKey string) (string, error) {
    key, err := base64.URLEncoding.DecodeString(privateKey)
    if err != nil {
        return "", errors.Wrap(err, errors.Fields{"msg": message})
    }

    h := hmac.New(sha256.New, key)
    h.Write([]byte(message))
    return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
}

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Protocol Buffers for Go with Gadgets

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http://github.com/gogo/protobuf

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

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package formatter

import (  "bytes"  "encoding/json"  "strings"  "testing"  "time"

    "github.com/docker/cli/internal/licenseutils"
    "github.com/docker/licensing/model"
    "gotest.tools/assert"
    is "gotest.tools/assert/cmp"
)

func TestSubscriptionContextWrite(t *testing.T) {
    cases := []struct {
        context  Context
    }

expected string
}

// Errors
{
  Context[Format: "{{InvalidFunction}}"],
  "Template parsing error: template: :1: function "InvalidFunction" not defined
  ",
},

  Context[Format: "{{nil}}"],
  "Template parsing error: template: :1:2: executing "" at <nil>: nil is not a command
  ",
},

// Table format
{
  Context[Format: NewSubscriptionsFormat("table", false)],
  `'NUM     OWNER       PRODUCT ID          EXPIRES                         PRICING COMPONENTS
  1         owner1     productid1          2020-01-01 10:00:00 +0000 UTC   compstring
  2         owner2     productid2          2020-01-01 10:00:00 +0000 UTC   compstring
  `,
},

  Context[Format: NewSubscriptionsFormat("table", true)],
  `'1: License Name: name1 Quantity: 10 nodes Expiration date: 2020-01-01
  2: License Name: name2 Quantity: 20 nodes Expiration date: 2020-01-01
  `,
},

  Context[Format: NewSubscriptionsFormat("table {{.Owner}}", false)],
  `'OWNER
  owner1
  owner2
  `,
},

  Context[Format: NewSubscriptionsFormat("table {{.Owner}}", true)],
  `'OWNER
  owner1
  owner2
  `,
},

// Raw Format
{
  Context[Format: NewSubscriptionsFormat("raw", false)],
  `license: id1
  name: name1
  owner: owner1
  components: compstring
  `,
expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

for _, testcase := range cases {
    subscriptions := []licenseutils.LicenseDisplay{
        {
            Num: 1,
            Owner: "owner1",
            Subscription: model.Subscription{
                ID: "id1",
                Name: "name1",
                ProductID: "productid1",
                Expires: &expiration,
                PricingComponents: model.PricingComponents{
                    &model.SubscriptionPricingComponent{
                        Name: "nodes",
                        Value: 10,
                    },
                },
                ComponentsString: "compstring",
            },
        },
        {
            Num: 2,
            Owner: "owner2",
            Subscription: model.Subscription{
ID:      "id2",
Name:   "name2",
ProductID: "productid2",
Expires: &expiration,
PricingComponents: model.PricingComponents{
    &model.SubscriptionPricingComponent{
        Name:  "nodes",
        Value: 20,
    },
    &model.SubscriptionPricingComponent{
        Name:  "nodes",
        Value: 20,
    },
},
ComponentsString: "compstring",
}
}
out := &bytes.Buffer{
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
subscriptions := []licenseutils.LicenseDisplay{
    {
        Num: 1,
        Owner: "owner1",
        Subscription: model.Subscription{
            ID: "id1",
            Name: "name1",
            ProductID: "productid1",
            Expires: &expiration,
            PricingComponents: model.PricingComponents{
                &model.SubscriptionPricingComponent{
                    Name: "nodes",
                    Value: 10,
                },
                &model.SubscriptionPricingComponent{
                    Name: "nodes",
                    Value: 10,
                },
            },
            ComponentsString: "compstring",
        },
    },
    {
        Num: 2,
        Owner: "owner2",
    },
}
Subscription: model.Subscription{
  ID: "id2",
  Name: "name2",
  ProductID: "productid2",
  Expires: &expiration,
  PricingComponents: model.PricingComponents{
    &model.SubscriptionPricingComponent{
      Name: "nodes",
      Value: 20,
    },
  },
  ComponentsString: "compstring",
}

expectedJSONs := []map[string]interface{}{
  {
    "Owner": "owner1",
    "ComponentsString": "compstring",
    "Expires": "2020-01-01T10:00:00Z",
    "DockerID": "",
    "Eusa": nil,
    "ID": "id1",
    "Start": nil,
    "Name": "name1",
    "Num": float64(1),
    "PricingComponents": []interface{}{
      map[string]interface{}{
        "name": "nodes",
        "value": float64(10),
      },
    },
    "ProductID": "productid1",
    "ProductRatePlan": "",
    "ProductRatePlanID": "",
    "State": "",
    "Summary": "License Name: name1\nQuantity: 10 nodes\nExpiration date: 2020-01-01",
  },
  {
    "Owner": "owner2",
    "ComponentsString": "compstring",
    "Expires": "2020-01-01T10:00:00Z",
    "DockerID": "",
    "Eusa": nil,
    "ID": "id2",
    "Start": nil,
    "Name": "name2",
    "Num": float64(2),
  },
}
"PricingComponents": []interface{}
map[string]interface{}
"name": "nodes",
"value": float64(20),
},
},
"ProductID": "productid2",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State": "",
"Summary": "License Name: name2
Quantity: 20 nodes
Expiration date: 2020-01-01",
},
}

out := &bytes.Buffer
err := SubscriptionsWrite(Context{Format: {{json .}}, Output: out}, subscriptions)
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
var m map[string]interface{}
if err := json.Unmarshal([]byte(line), &m); err != nil {
t.Fatal(err)
}
assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}

func TestSubscriptionContextWriteJSONField(t *testing.T) {
subscriptions := []licenseutils.LicenseDisplay{
{Num: 1, Owner: "owner1"},
{Num: 2, Owner: "owner2"},
}
out := &bytes.Buffer
err := SubscriptionsWrite(Context{Format: {{json .Owner}}}, Output: out), subscriptions)
if err != nil {
t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
var s string
if err := json.Unmarshal([]byte(line), &s); err != nil {
    t.Fatal(err)
}
assert.Check(t, is.Equal(subscriptions[i].Owner, s))
}
}

package formatter
import (  
"time"
  
"github.com/docker/cli/internal/licenseutils"
"github.com/docker/licensing/model"
)

const (  
defaultSubscriptionsTableFormat = "table
  {{.Num}}	{{.Owner}}	{{.ProductID}}	{{.Expires}}	{{.ComponentsString}}"
  
defaultSubscriptionsQuietFormat = "{{.Num}}:{{.Summary}}"
)

enumHeader = "NUM"
ownerHeader = "OWNER"
licenseNameHeader = "NAME"
idHeader = "ID"
dockerIDHeader = "DOCKER ID"
productIDHeader = "PRODUCT ID"
productRatePlanHeader = "PRODUCT RATE PLAN"
productRatePlanIDHeader = "PRODUCT RATE PLAN ID"
startHeader = "START"
expiresHeader = "EXPIRES"
stateHeader = "STATE"
eusaHeader = "EUSA"
pricingComponentsHeader = "PRICING COMPONENTS"
)

// NewSubscriptionsFormat returns a Format for rendering using a license Context
func NewSubscriptionsFormat(source string, quiet bool) Format {  
switch source {  
  case TableFormatKey:    
    if quiet {      
      return defaultSubscriptionsQuietFormat    
    }      
    return defaultSubscriptionsTableFormat  
  case RawFormatKey:  
    if quiet {      
      return `license: {{.ID}}`
    }      
    return `license: {{.ID}}
name: {{.Name}}
owner: {{.Owner}}
components: {{.ComponentsString}}`
  }
  return Format(source)
}

// SubscriptionsWrite writes the context
func SubscriptionsWrite(ctx Context, subs []licenseutils.LicenseDisplay) error {  
render := func(format func(subContext subContext) error) error {      
for _, sub := range subs {


licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
if err := format(licenseCtx); err != nil {
    return err
}

return nil
}
licenseCtx := licenseContext{}
licenseCtx.header = map[string]string{
    "Num":               numHeader,
    "Owner":             ownerHeader,
    "Name":              licenseNameHeader,
    "ID":                idHeader,
    "DockerID":          dockerIDHeader,
    "ProductID":         productIDHeader,
    "ProductRatePlan":   productRatePlanHeader,
    "ProductRatePlanID": productRatePlanIDHeader,
    "Start":             startHeader,
    "Expires":           expiresHeader,
    "State":             stateHeader,
    "Eusa":              eusaHeader,
    "ComponentsString":  pricingComponentsHeader,
}
return ctx.Write(&licenseCtx, render)
}

type licenseContext struct {
    HeaderContext
    trunc bool
    l     licenseutils.LicenseDisplay
}

func (c *licenseContext) MarshalJSON() ([]byte, error) {
    return marshalJSON(c)
}

func (c *licenseContext) Num() int {
    return c.l.Num
}

func (c *licenseContext) Owner() string {
    return c.l.Owner
}

func (c *licenseContext) ComponentsString() string {
    return c.l.ComponentsString
}
func (c *licenseContext) Summary() string {
    return c.l.String()
}

func (c *licenseContext) Name() string {
    return c.l.Name
}

func (c *licenseContext) ID() string {
    return c.l.ID
}

func (c *licenseContext) DockerID() string {
    return c.l.DockerID
}

func (c *licenseContext) ProductID() string {
    return c.l.ProductID
}

func (c *licenseContext) ProductRatePlan() string {
    return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {
    return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
    return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
    return c.l.Expires
}

func (c *licenseContext) State() string {
    return c.l.State
}

func (c *licenseContext) Eusa() *model.EusaState {
    return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
    // Dereference the pricing component pointers in the pricing components
    // so it can be rendered properly with the template formatter

var ret []model.SubscriptionPricingComponent
for _, spc := range c.l.PricingComponents {
if spc == nil {
    continue
}
    ret = append(ret, *spc)
}
return ret

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1.2088 grpc-protobuf 1.5.0

1.2089 init-system-helpers 1.56+nmu1

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* https://github.com/eclipse-ee4j/metro-xmlstreambuffer
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* https://github.com/eclipse-ee4j/metro-mimepull
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The End
1.2093 python-requests 2.18.4 2ubuntu0.1

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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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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
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from a designated place, then offering equivalent access to copy the
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5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
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However, linking a "work that uses the Library" with the Library
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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
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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1.2101 tomcat-annotations-api 8.5.23

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^L

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

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

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

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

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

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

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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1.2105 archaius-core 0.7.6

1.2106 lombok 1.18.10
1.2107 jackson-databind 2.8.9

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.salaranta@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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1.2108 grep 3.1 2

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

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1.2128 object-cache-api 1.2.3

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1.2133 pac4j saml 2.1.0

1.2134 alpine-baselayou 3.1.2 r0

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1.2138 jackson-module-parameter-names
2.9.8
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/* Definitions for BSD assembler syntax for Intel 386
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 adapted to BSD conventions for symbol names and debugging.)
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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.'s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */
#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
( fputs (".comm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line  
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line  
that says to advance the location counter  
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)	
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF  
the symbol_ref name of an internal numbered label where  
PREFIX is the class of label and NUM is the number within the class.  
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)	
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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* m4/ax_func_which_gethostbyname_r.m4

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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;
import com.sun.javadoc.Tag;

/**
 * A simple Taglet which handles Copyright information.
 */
public class CopyrightTaglet implements Taglet {

    private static final String NAME = "copyright";
    private static final String HEADER = "Copyright:";

    public String getName() {
        return NAME;
    }

    public boolean inField() {
        return true;
    }

    public boolean inConstructor() {
        return true;
    }

    public boolean inMethod() {
        return true;
    }

    public boolean inOverview() {
        return true;
    }

    public boolean inPackage() {
        return true;
    }

    public boolean inType() {
        return true;
    }

    public boolean isInlineTag() {
        return false;
    }

    public static void register(Map tagletMap) {
        CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
        tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
    }

    public String toString(Tag tag) {

    }
public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
        for (int i = 0; i < tags.length && !haveValidTag; ++i) {
            if (tags[i].text().length() > 0) {
                haveValidTag = true;
            }
        }
        if (haveValidTag) {
            StringBuffer result = new StringBuffer();
            result.append("<dl>");
            for (int i = 0; i < tags.length; i++) {
                if (tags[i].text().length() > 0) {
                    result.append("<dt><i>Copyright © " + tags[i].text() + "</i></dt>");
                }
            result.append("</dl>");
            return result.toString();
        }
        else {
            return null;
        }
    }
}

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That's all there is to it!
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 (brazile@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@mitiame.mitia.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@hu.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 version number 2.1.]

Preamble

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

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/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *
 * <p>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 *
 * <p><code>Permission</code>'s must be immutable - do not change their

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public abstract class Permission implements Guard, Serializable {

    private static final long serialVersionUID = -563657022231596674L;

    private String name;

    public Permission(String name) {
        this.name = name;
    }

    public void checkGuard(Object obj) {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null) {
            sm.checkPermission(this);
        }
    }
}
/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);

/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * @return a hash value
 */
public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
    return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 * @return the action list for this <code>Permission</code>
 */

public abstract String getActions();

/**
 * This method returns an empty <code>PermissionCollection</code> object
 * that can store permissions of this type, or <code>null</code> if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * <code>implies</code>.
 *
 * @return a new <code>PermissionCollection</code>
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.
 *
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();
    
    string = string.append('(
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    
    if (!getActions().equals(""))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }
    
    string = string.append(')');
    return string.toString();
}
} // class Permission

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/**
 * This interface provides information about a permission that can be
 * granted. Note that this is <em>not</em> the same as the class
 * <code>java.security.Permission</code>.
 *
 * @version 0.0
 *
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */

public interface Permission
{
/**
 * This method tests whether or not a specified <code>Permission</code>
 * (passed as an <code>Object</code>) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
boolean equals (Object perm);

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
String toString();

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#!/usr/bin/python
#
# Copyright (C) 2013 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3.  This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices.  Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted.  You can instead pass the names of individual
# directories, including those that haven't been approved.  So:
# update-copyright.pl --this-year
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
# update-copyright.pl --this-year libjava
# would run the script on just libjava/.
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

    def report (self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write (string + '
')
        self.num_errors += 1

    def ok (self):
        return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set ([
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            ''])
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file(self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext(os.path.join(dir, filename))

    # Skip auto- and libtool-related files
    'aclocal.m4',
    'compile',
    'config.guess',
    'config.sub',
    'depcomp',
    'install-sh',
    'libtool.m4',
    'ltmain.sh',
    'ltoptions.m4',
    'lt sugar.m4',
    'ltversion.m4',
    'lt--obsolete.m4',
    'missing',
    'mkdep',
    'mkinstalldirs',
    'move-if-change',
    'shlibpath.m4',
    'symlink-tree',
    'ylwrap',

    # Skip FSF mission statement, etc.
    'gnu.texi',
    'funding.texi',
    'appendix_free.xml',

    # Skip imported texinfo files.
    'texinfo.tex',
}

...)
if extension in self.skip_extensions:
    return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists (base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True

    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]+([-0-9,.\s]+and[\s]+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w\-.]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')
# Matches part of a year or copyright holder.
self.continuation_re = re.compile (ranges + '\' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile (  
    # 1: 'Copyright (C)', etc.
    '([Cc]opyright'  
    '([Cc]opyrights+\(\[Cc\]\))'  
    '([Cc]opyright\%s'  
    '([Cc]opyrights+&copy;'  
    '([Cc]opyrights+@copyright\{'  
    '@set\ts+copyright\[w-\+]'  
    '
    # 2: the years. Include the whitespace in the year, so that
    # we can remove any excess.
    '\s*\(?\.:\) + ranges + ".\n    '@value\{[^\}]\}\)\s*\)'  
    # 3: 'by ', if used
    '(by\s\+)'  
    # 4: the copyright holder. Don't allow multiple consecutive
    # spaces, so that right-margin gloss doesn't get caught
    # (e.g. gnat_ugn.texi).
    '(\s*\+ name ' + '(?:\s*\+ name + ')\+)?\)')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
    re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')  
self.holders = { '@copying': '@copying' }
sel.png_holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '.
self.separator = ','

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
self.holders[holder] = canon_form
index = holder.find (')
while index >= 0:
    self.holder_prefixes.add (holder[:index])
    index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
    raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
    for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
        and (holder not in self.holder_prefixes
            or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                'trailing characters in @set: '
                + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
            # If the next line doesn’t look like a proper continuation,
            # assume that what we’ve got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break
    return (True, orig_line, next_line)
# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
from collections import defaultdict
from re import escape, search as re_search

+ ' ' + canon_form + self.separator
+ line[match.end (2):]

# Use the standard (C) form.
if intro.endswith ('right'):
    intro += ' (C)'
elif intro.endswith ('(c)'):
    intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

# Strip trailing whitespace
line = line.rstrip() + '

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter, 
                        file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed
                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                        'unrecognised copyright: %s' 
                        % line.strip())
                lines.append (line)
line = next_line
# If something changed, write the new file out.
if changed and self.errors.ok():
tmp_pathname = pathname + '.tmp'
with open (tmp_pathname, 'w') as file:
for line in lines:
file.write (line)
if self.use_quilt:
subprocess.call (['quilt', 'add', pathname])
os.rename (tmp_pathname, pathname)
def process_tree (self, tree, filter):
for (dir, subdirs, filenames) in os.walk (tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
if filter.skip_dir (dir, subdirs[i]):
del subdirs[i]
# Handle the files in this directory.
for filename in filenames:
if filter.skip_file (dir, filename):
sys.stdout.write ('Skipping %s\n'
% os.path.join (dir, filename))
else:
self.process_file (dir, filename, filter)
class CmdLine:
def __init__ (self, copyright = Copyright):
self.errors = Errors()
self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []
self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
self.o_this_year)
def add_option (self, name, help, handler):
self.option_help.append ((name, help))
self.option_handlers[name] = handler
def add_dir (self, dir, filter = GenericFilter()):

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self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    ' % sys.argv[0])
    sys.stdout.write (format % sys.argv[0])
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
')
    format = '%-25s
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '
')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                        self.copyright.process_tree (dir, filter)
                if count == 0:
self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
sys.exit (0 if self.errors.ok() else 1)

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])
self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file(self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set([
            # Imported from GLIBC.
        ])

class LibJavaFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_dirs |= set ([
        # Handled separately.
        'testsuite',

        # Not really part of the library
        'contrib',

        # Imported from upstream
        'classpath',
        'libltdl',
    ])

    def get_line_filter (self, dir, filename):
        if filename == 'NameDecoder.h':
            return re.compile ('.*NAME_COPYRIGHT')
        if filename == 'ICC_Profile.h':
            return re.compile ('.*icSigCopyrightTag')
        return GenericFilter.get_line_filter (self, dir, filename)

class LibMudflapFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_dirs |= set ([
        # Handled separately.
        'testsuite',
    ])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    self.skip_files |= set ([
        # Contains no copyright of its own, but quotes the GPL.
        'intro.xml',
    ])

    self.skip_dirs |= set ([
        # Contains automatically-generated sources.
        'html',
    ])

# Other classes and methods omitted for brevity.

---
# The testsuite data files shouldn't be changed.
'data',

# Contains imported images
'images',
)

self.own_files |= set (
    # Contains markup around the copyright owner.
    'spine.xml',
)
)

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// \(C\) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author ('Cavium Networks.')
        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')
        self.add_external_author ('Greg Colvin and Beman Dawes.')
        self.add_external_author ('Hewlett-Packard Company')
        self.add_external_author ('Information Technology Industry Council.')
        self.add_external_author ('James Theiler, Brian Gough')
        self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
        self.add_external_author ('National Research Council of Canada.')
        self.add_external_author ('Peter Dimov and Multi Media Ltd.')
        self.add_external_author ('Peter Dimov')
        self.add_external_author ('Pipeline Associates, Inc.')
        self.add_external_author ('Regents of the University of California.')
        self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('include')
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecnumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        self.add_dir ('libgomp')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libjava', LibJavaFilter())
        self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libmudflap', LibMudflapFilter())
        self.add_dir (os.path.join ('libmudflap', 'testsuite'), TestsuiteFilter())
        self.add_dir ('libobjc')
        self.add_dir ('libquadmath')
        # libsanitiser is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir ('libstdc++-v3', LibStdCxxFilter())
        self.add_dir ('lto-plugin')
        # zlib is imported from upstream.

        self.default_dirs = [}
GCCCmdLine().main()

1.2144 error-prone-annotations 2.0.19

1.2145 spring-boot-starter-actuator 1.5.8

1.2146 update-manager 18.04.11.10

1.2146.1 Available under license:

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Preamble

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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>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
* @author Paulo Barreto <paulo.barreto@terra.com.br>
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*/

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#defineCompat_POLL_H_
#endif /* !_COMPAT_POLL_H_ */

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#define POLLHUP0x0010
#define POLLNVAL0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI0x0002
#define POLLRDNONE0x0040
#define POLLNORMPOLLRDNONE
#define POLLWRNONE POLLOUT
#define POLLRDBAND0x0080
#define POLLWRBAND0x0100
#endif

#define INFTIM(-1)/* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */
/*
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 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
/*
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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif

#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

1.2151 patch 2.7.6 2ubuntu1.1

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 */

package org.springframework.web.servlet;

/**
 * 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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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
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
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.. _mitK5license:

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

.. toctree::
   :hidden:

   copyright.rst

   include:: notice.rst

/* -* -mode: c; c-basic-offset: 4; indent-tabs-mode: nil -* */
/*

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# This program is intended to be used by "make check-copyright". It checks for violations of the coding standards related to copyright and license statements in source code comments.

import os
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'\s*[^\s]+', '', 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:
            # Line contains a license.
            ln += len(comment)
            in_comment = False
            code_seen = True
        elif in_comment and '*/' in line:
            # Line contains a license.
            ln += len(comment)
            in_comment = False
            nonlicense_seen = True
        elif not in_comment and '/*' in line:
            # Line contains a license.
            ln += len(comment)
            in_comment = True
            code_seen = True
            nonlicense_seen = True
            code_seen = False
        elif not in_comment and '//' in line:
            # Line contains a license.
            ln += len(comment)
            in_comment = True
            code_seen = True
            nonlicense_seen = True
            code_seen = False

    # Add any remaining license text to the file.
    if text_seen:
        warn(fname, ln, 'License begins after first line of comment')
        return is_license

    # DB2 licenses start with '//-' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license
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()
    check_file(lines, fname)
/* .*-.-. mode: c; c-basic-offset: 4; indent-tabs-mode: nil .*-.- */
/*

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lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mach/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
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- `g_accept_sec_context.c`
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- `g_canon_name.c`
- `g_compare_name.c`
- `g_context_time.c`
- `g_delete_sec_context.c`
- `g_dup_name.c`
- `g_exp_sec_context.c`
- `g_export_name.c`
- `g_glue.c`
- `g_imp_name.c`
- `g_canon_name.c`
- `g_compare_name.c`
- `g_context_time.c`
- `g_delete_sec_context.c`
- `g_dup_name.c`
- `g_exp_sec_context.c`
- `g_export_name.c`
- `g_glue.c`
- `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`
- `lib/krb5/error_tables.c`
- `kprop/kpropd_rpc.c`
- `kpropd_rpc.kpropd_rpc_info`

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.. parsed-literal::

   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
and the initial implementation of incremental propagation, including
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.. parsed-literal::

   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
   kprop/kproplog.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 = { 
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    VERSION: '1.17',
    COLLAPSE_INDEX: false,
    FILE_SUFFIX: '.html',
    HAS_SOURCE: true,
    SOURCELINK_SUFFIX: '.txt'
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1.2166 util-linux 2.33.1 0.1

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

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When a "work that uses the Library" uses material from a header file
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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.)

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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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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1.2184 hazelcast-client 3.7.5
1.2185 open-jdk 1.8.0.141-1.b16.el7_3

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import java.util.GregorianCalendar;
import java.util.Locale;
import java.util.TimeZone;

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"
static String getOracleCopyright() {  
    int year = getYear();  
    return String.format(year > 2012 ? ORACLE_AFTER2012 : ORACLE2012, year);  
}

static String getUnicodeCopyright() {  
    return UNICODE;  
}

static String getOpenJDKCopyright() {  
    int year = getYear();  
    return String.format(year > 2012 ? OPENJDK_AFTER2012 : OPENJDK2012, year);  
}

private static int getYear() {  
    return new GregorianCalendar(TimeZone.getTimeZone("America/Los_Angeles"), 
        Locale.US).get(Calendar.YEAR);  
}

// no instantiation  
private CopyrightHeaders() { 
    
} 

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David Megginson <sax@meggginson.com>
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# Version

# Uses Fedora Core 6 fonts and file paths.
version=1

# Component Font Mappings

dialog.plain.latin-1=DejaVu LGC Sans
dialog.plain.japanese-x0208=Sazanami Gothic
dialog.plain.korean=Baekmuk Gulim
dialog.plain.chinese-big5=AR PL ShanHeiSun Uni
dialog.plain.chinese-gb18030=AR PL ShanHeiSun Uni

dialog.bold.latin-1=DejaVu LGC Sans Bold
dialog.bold.japanese-x0208=Sazanami Gothic
dialog.bold.korean=Baekmuk Gulim
dialog.bold.chinese-big5=AR PL ShanHeiSun Uni
dialog.bold.chinese-gb18030=AR PL ShanHeiSun Uni

dialog.italic.latin-1=DejaVu LGC Sans Oblique
dialog.italic.japanese-x0208=Sazanami Gothic
dialog.italic.korean=Baekmuk Gulim
dialog.italic.chinese-big5=AR PL ShanHeiSun Uni
dialog.italic.chinese-gb18030=AR PL ShanHeiSun Uni

dialog.bolditalic.latin-1=DejaVu LGC Sans Bold Oblique
dialog.bolditalic.japanese-x0208=Sazanami Gothic
dialog.bolditalic.korean=Baekmuk Gulim
dialog.bolditalic.chinese-big5=AR PL ShanHeiSun Uni
dialog.bolditalic.chinese-gb18030=AR PL ShanHeiSun Uni

sansserif.plain.latin-1=DejaVu LGC Sans
sansserif.plain.japanese-x0208=Sazanami Gothic
sansserif.plain.korean=Baekmuk Gulim
sansserif.plain.chinese-big5=AR PL ShanHeiSun Uni
sansserif.plain.chinese-gb18030=AR PL ShanHeiSun Uni

sansserif.bold.latin-1=DejaVu LGC Sans Bold
# Search Sequences

sequence.allfonts=latin-1
sequence.allfonts.Big5=chinese-big5,latin-1
# Font File Names

filename.DejaVu_LGC_Sans=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans.ttf
filename.DejaVu_LGC_Sans_BOLD=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Bold.ttf
filename.DejaVu_LGC_Sans_OblIQUE=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Oblique.ttf
filename.DejaVu_LGC_Sans_BOLD_OblIQUE=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-BoldOblique.ttf
filename.DejaVu_LGC_Sans_Mono=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono.ttf
filename.DejaVu_LGC_Sans_Mono_BOLD=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Bold.ttf
filename.DejaVu_LGC_Sans_Mono_OblIQUE=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Oblique.ttf
filename.DejaVu_LGC_Sans_Mono_BOLD_OblIQUE=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-BoldOblique.ttf
filename.DejaVu_LGC_Serif=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif.ttf
filename.DejaVu_LGC_Serif_BOLD=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Bold.ttf
filename.DejaVu_LGC_Serif_OblIQUE=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Oblique.ttf
filename.DejaVu_LGC_Serif_BOLD_OblIQUE=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-BoldOblique.ttf
filename.Sazanami_Gothic=/usr/share/fonts/japanese/TrueType/sazanami-gothic.ttf
filename.Sazanami_Mincho=/usr/share/fonts/japanese/TrueType/sazanami-mincho.ttf
filename.AR_PL_ShanHeiSun_Uni=/usr/share/fonts/chinese/TrueType/uming.ttf
filename.AR_PL_ZenKai_Uni=/usr/share/fonts/chinese/TrueType/ukai.ttf
filename.Baekmuk_Gulim=/usr/share/fonts/korean/TrueType/gulim.ttf
filename.Baekmuk_Batang=/usr/share/fonts/korean/TrueType/batang.ttf

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package java.security.acl;

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */

public interface Permission {

/**
 * Returns true if the object passed matches the permission represented
 * in this interface.
 *
 * @param another the Permission object to compare with.
 *
 * @return true if the Permission objects are equal, false otherwise
 */

public boolean equals(Object another);

/**
 * Prints a string representation of this permission.
 *
 * @return the string representation of the permission.
 */

public String toString();

}

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*/
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package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 *
 * <p>Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a { @code java.io.FilePermission} object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * { @code java.lang.RuntimePermission},
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 *
 * <p>An important method that must be implemented by each subclass is
 * the { @code implies} method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 * Thus, this is not an equality test, but rather more of a
 * subset test.
 */
Permission objects are similar to String objects in that they are immutable once they have been created. Subclasses should not provide methods that can change the state of a permission once it has been created.

@see Permissions
@see PermissionCollection

@author Marianne Mueller
@author Roland Schemers

public abstract class Permission implements Guard, java.io.Serializable {

    private static final long serialVersionUID = -5636570222231596674L;

    private String name;

    /**
     * Constructs a permission with the specified name.
     *
     * @param name name of the Permission object being created.
     *
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * Implements the guard interface for a permission. The
     * [ @code SecurityManager.checkPermission] method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.
     *
     * @param object the object being guarded (currently ignored).
     *
     * @throws SecurityException
     *         if a security manager exists and its
     *         [ @code checkPermission] method doesn't allow access.
     *
     * @see Guard
     * @see GuardedObject
     * @see SecurityManager#checkPermission
     *
     */
public void checkGuard(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}

/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * <p>
 * This must be implemented by subclasses of Permission, as they are the
 * only ones that can impose semantics on a Permission object.
 *
 * <p>The {@code implies} method is used by the AccessController to determine
 * whether or not a requested permission is implied by another permission that
 * is known to be valid in the current execution context.
 *
 * @param permission the permission to check against.
 *
 * @return true if the specified permission is implied by this object,
 * false if not.
 */

public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <p>
 * Do not use the {@code equals} method for making access control
 * decisions; use the {@code implies} method.
 *
 * @param obj the object we are testing for equality with this object.
 *
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <p>
 * The required {@code hashCode} behavior for Permission Objects is
 * the following:
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
 * { @code hashCode} method
 * must consistently return the same integer. This integer need not
 * remain consistent from one execution of an application to another
 * </li>
 * </ul>
 */

public abstract int hashCode();
* execution of the same application.
* <li>If two Permission objects are equal according to the
*   { @code equals }
*   method, then calling the { @code hashCode} method on each of the
*   two Permission objects must produce the same integer result.
* </ul>
*
* @return a hash code value for this object.
*/

public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a { @code java.io.FilePermission},
 * the name will be a pathname.
 *
 * @return the name of this Permission.
 */

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 * *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 * *
 * both return
 * "read,write" when the { @code getActions} method is invoked.
 *
 * @return the actions of this Permission.
 */

public abstract String getActions();

/**
* Returns an empty PermissionCollection for a given Permission object, or null if
* one is not defined. Subclasses of class Permission should
* override this if they need to store their permissions in a particular
* PermissionCollection object in order to provide the correct semantics
* when the \{ @code PermissionCollection.implies \} method is called.
* If null is returned,
* then the caller of this method is free to store permissions of this
* type in any PermissionCollection they choose (one that uses a Hashtable,
* one that uses a Vector, etc).
* *
* @return a new PermissionCollection object for this type of Permission, or
* null if one is not defined.
*/

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: \( ("ClassName" "name" "actions") \), or
 * \( ("ClassName" "name") \) if actions list is null or empty.
 * *
 * @return information about this Permission.
 */

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + 
            " " + actions + ")";
    }
}

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*/

import org.somewhere.ws.EchoRequest;
import org.somewhere.ws.EchoResponse;

public class CopyingResponse extends EchoResponse {

    public CopyingResponse() {} 

    public CopyingResponse(EchoRequest request) {
        content = request.getContent();
    }
}

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Glenn Randers-Pehrson
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January 5, 2017
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1.2192 spring-boot-starter-tomcat 1.5.6

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Protocol Buffers for Go with Gadgets

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

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1.2203 groovy-templates 2.4.12

1.2204 opencensus-api 0.10.0

1.2205 spring-aop 5.1.6

1.2206 jackson-databind 2.9.8
1.2206.1 Available under license:

# Jackson JSON processor

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http://www.w3.org/TR/2004/REC-DOM-Level-3-LS-20040407/
http://www.w3.org/TR/2004/NOTE-DOM-Level-3-XPath-20040226/

The specification of DOM Level 2's various parts is at:
http://www.w3.org/TR/2000/REC-DOM-Level-2-Events-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Style-20001113/
http://www.w3.org/TR/2000/REC-DOM-Level-2-Traversal-Range-20001113/
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The actual classes of The Simple API for CSS (SAC) came from:
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1.2208 rhino 1.7R4

1.2209 language-pack-gnome-en-base

18.04+20180712

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
#!usr/bin/python
#
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#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
#   update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
#   update-copyright.py --this-year libitm
#
# would run the script on just libitm/.  
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ':' + string
        sys.stderr.write(string + '\n')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltversion.m4',
            'ltversion.m4',

])
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile (r'\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
if os.path.exists (base + '.in'):
    return True

return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years.  Include ',' for typos.
        ranges = '[0-9][?,-0-9.\s]\s+and\s*\[0-9]

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w,-.]

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '\|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (  
            # 1: 'Copyright (C)', etc.
            '((C)opyright' 
            ')|(C)opyright\s+\(\(C\)\)' 
            ')|(C)opyright\s+%s' 
            ')|(C)opyright\s+&copy;,' 
            ')|(C)opyright\s+@copyright\{\}' 
            '|copyright = u'' 
            '|@set\s+copyright\[w-]+')

        # 2: the years.  Include the whitespace in the year, so that
        # we can remove any excess.
def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
    elif len(string) == 4:
        return year
    raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value '):
        return years
    (min_year, max_year) = self.year_range(years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
return (holder
    and (holder not in self.holder_prefixes
         or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != ':
            self.errors.report (pathname,
                'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete (match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
                # If the next line doesn't look like a proper continuation,
                # assume that what we've got is complete.
                continuation = self.strip_continuation (next_line)
                if not self.continuation_re.match (continuation):
                    break
                # Merge the lines for matching purposes.
                orig_line += next_line
                line = line.rstrip() + ' ' + continuation
                next_line = None

            # Rematch with the longer line, at the original position.
            match = self.copyright_re.match (line, match.start())
            assert match

            holder = match.group (4)

            # Use the filter to test cases where markup is getting in the way.
            if filter.by_package_author (dir, filename):
                assert holder not in self.holders

            elif not holder:
self.errors.report (pathname, 'missing copyright holder')
return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname,
                       'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
    return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + (' if intro.startswith ('copyright = ') else ''
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '\n'

    return (line != orig_line, line, next_line)
def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    mode = None
    with open (pathname, 'r') as file:
        prev = None
        mode = os.fstat (file.fileno()).st_mode
        for line in file:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match (line)):
                match = self.copyright_re.search (line)
                if match:
                    res = self.update_copyright (dir, filename, filter,
                                                 file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed

                # Check for copyright lines that might have slipped by.
                elif self.other_copyright_re.search (line):
                    self.errors.report (pathname,
                                        'unrecognised copyright: %s'
                                        % line.strip())
                    lines.append (line)
                    line = next_line

            # If something changed, write the new file out.
            if changed and self.errors.ok():
                tmp_pathname = pathname + '.tmp'
                with open (tmp_pathname, 'w') as file:
                    file.write (line)
                    os.fchmod (file.fileno(), mode)
                if self.use_quilt:
                    subprocess.call (['quilt', 'add', pathname])
                os.rename (tmp_pathname, pathname)
def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
' % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
    def __init__(self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright(self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option('--help', 'Print this help', self.o_help)
        self.add_option('--quilt', '"quilt add" files before changing them',
                        self.o_quilt)
        self.add_option('--this-year', 'Add the current year to every notice',
                        self.o_this_year)

        def add_option(self, name, help, handler):
            self.option_help.append((name, help))
            self.option_handlers[name] = handler

        def add_dir(self, dir, filter = GenericFilter()):
            self.dirs.append((dir, filter))

        def o_help(self, option = None):
            sys.stdout.write('Usage: %s [options] dir1 dir2...

            Options:
            ' % sys.argv[0])
            format = '%-15s %s
            '
            for (what, help) in self.option_help:
                sys.stdout.write(format % (what, help))
            sys.stdout.write('
Directories:
            ')
            format = '%-25s'
            i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len (self.dirs):
        sys.stdout.write (dir + '\n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
                    sys.exit (0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
def skip_file(self, dir, filename):
    if filename.endswith('.m4'):
        pathname = os.path.join(dir, filename)
        with open(pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find('gettext-') >= 0:
                return True
        return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_files |= set(['math-68881.h',])
        self.skip_dirs |= set(['ada',])
        self.skip_extensions |= set(['.po',])
        self.fossilised_files |= set(['ONEWS',])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_extensions |= set(['.c',])
def skip_file (self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
        return True
    # Similarly params/README.
    if filename == 'README' and os.path.basename (dir) == 'params':
        return True
    if filename == 'pdt_5.f03' and os.path.basename (dir) == 'gfortran.dg':
        return True
    return GenericFilter.skip_file (self, dir, filename)

class LibCppFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_extensions |= set (
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        )

class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Imported from GLIBC.
            'soft-fp',
        )

class LibPhobosFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)
self.skip_files |= set(['
    # Source module imported from upstream.
    'object.d',
    ])

self.skip_dirs |= set(['
    # Contains sources imported from upstream.
    'core',
    'etc',
    'gc',
    'gcstub',
    'rt',
    'std',
    ])

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set(['
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
            ])

        self.skip_dirs |= set(['
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
            ])

        self.own_files |= set(['
            # Contains markup around the copyright owner.
            'spine.xml',
            ])

    def get_line_filter(self, dir, filename):
        if filename == 'boost_concept_check.h':
            return re.compile('// (C) Copyright Jeremy Siek')
        return GenericFilter.get_line_filter(self, dir, filename)

class GCCCopyright(Copyright):
    def __init__(self, errors):
        pass
Copyright.__init__ (self, errors)

canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author ('Free Software Foundation', canon_fsf)
self.add_package_author ('Free Software Foundation', canon_fsf)
self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('The Free Software Foundation', canon_fsf)
self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('Software Foundation, Inc.', canon_fsf)

self.add_external_author ('ARM')
self.add_external_author ('AdaCore')
self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author ('Cavium Networks.')
self.add_external_author ('Faraday Technology Corp.')
self.add_external_author ('Florida State University')
self.add_external_author ('Gerard Jungman')
self.add_external_author ('Greg Colvin and Beman Dawes.')
self.add_external_author ('Hewlett-Packard Company')
self.add_external_author ('Intel Corporation')
self.add_external_author ('Information Technology Industry Council.')
self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author ('National Research Council of Canada.')
self.add_external_author ('NVIDIA Corporation')
self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California.')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
self.add_external_author ('Silicon Graphics')
self.add_external_author ('Stephen L. Moshier')
self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author ('The D Language Foundation, All Rights Reserved')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors.')
self.add_external_author ('The Regents of the University of California.')
self.add_external_author ('Unicode, Inc.')
self.add_external_author ('University of Toronto.')

class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
# boehm-gc is imported from upstream.
self.add_dir('config', ConfigFilter())

# contrib isn't really part of GCC.
self.add_dir('fixincludes')
self.add_dir('gcc', GCCFilter())
self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
self.add_dir('gnattools')
self.add_dir('gotools')
self.add_dir('include')

# intl is imported from upstream.
self.add_dir('libada')
self.add_dir('libatomic')
self.add_dir('libbacktrace')
self.add_dir('libc1')
self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecnumber')

# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libgfortran')

# libgo is imported from upstream.
self.add_dir('libgomp')
self.add_dir('libhmsail-rt')
self.add_dir('libhmsail')
self.add_dir('libbitm')
self.add_dir('libobjc')

# liboffloadmic is imported from upstream.
self.add_dir('libphobos', LibPhobosFilter())
self.add_dir('libquadmath')

# libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')
self.add_dir('lto-plugin')

# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    ]
GCCCmdLine().main()

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Version 3, 29 June 2007

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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix ".`s to identify labels that should be ignored, as in `i386/gas.h` --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE ".byte"
#define ASM_SHORT ".word"
#define ASM_LONG ".long"
#define ASM_QUAD ".quad"  /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) *

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE)  
fprintf (FILE, ".space %u
", (int)(SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
( fputs (.".comm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), .",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
( fputs (.".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), .",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
( fputs (".lcomm ", (FILE)),
 assemble_name ((FILE), (NAME)),
 fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line 
that says to advance the location counter 
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)
if ((LOG)!=0) fprintf ((FILE), 	"t.align %d
", (LOG))

/* This is how to store into the string BUF 
the symbol_ref name of an internal numbered label where 
PREFIX is the class of label and NUM is the number within the class. 
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
sprintf ((BUF), 	"*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_
"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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GCC RUNTIME LIBRARY EXCEPTION
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=======================================================================
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.if t .sp .5v
.if n .sp
..
de Vb Begin verbatim text
.ft CW
.nf
.ne \$1
..
Set up some character translations and predefined strings. \*(-\ will
\*PI will give pi, \*(L\ will give a left
\*(R\ will give a right double quote. \*(C+ will
\*(C\ therefore won't be available. \*(C` and \*(C' expand to ` in nroff,
\*W\ nothing in troff, for use with C<>
.tr \*W-
ds C+ C\(-1\nh\'-1p\'-2+\h\'-1p'+\s0\v\'-1p'
.ie n \{
ds -- \*W-
ds PI pi
  if \(n\(H=4u)\&(1m=24u) .ds -- \{W\h\'-12u\{W\h\'-12u\{W\h\'-12u\{W\h\'-12u\} diablo 10 pitch
ds -- \{W\h\'-12u\{W\h\'-8u\} diablo 12 pitch
ds C\ "
ds C\ "
ds C\ "
ds C\ "
'br'}
.el\{
ds -- \|
ds PI \*p
  ds L\ "
ds R" "
ds C" "
ds C" "
'br'}
.ie \n(g .ds Aq \{aq
.el .ds Aq '
'\" If the F register is >0, we'll generate index entries on stderr for
\*(TH), headers (.SH), subsections (.SS), items (.Ip), and index
\*X<> in POD. Of course, you'll have to process the
\" output yourself in some meaningful fashion.
'\" Avoid warning from groff about undefined register 'F'.
de IX

nr rF 0
.if \n(g .if rF .nr rF 1
.if \(nrF:\n(g\(g==0)) \{\n  if \nF \{\n    de IX
Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

fudge factors for nroff and troff

```
if n {
  ds #H 0
  ds #F 0
  ds #M1
  ds #] \&
  ds #] \&
}
```

simple accents for nroff and troff

```
if n {
  ds ' \&
  ds ` \&
  ds ^ \&
  ds , \&
  ds ~ ~
  ds /
}
```

troff and (daisy-wheel) nroff accents

```
ds : \k:h'-(\n.wu*8/10-\*(#H)+.1m+/*(#F)'V'z.\h'.2m+/*(#F.'h'|\n.:u'\v'-.3n.'h'|\n.:u'\v'(+#)
```

---

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" correc for vroff
.if v .d- \h'-1\n(\o*9/10-\n(#H)\s-2\n(\o*10/11-\n(#H)\s-.4m\o*.4m'\h')\n:u'
. \n for low resolution devices (crt and lpr)
.if \n(.H>23 .if \n(.V>19 \}
}
.rm #[ #] #H #V #F C
A" "
IX Title "GPL 7"
.TH GPL 7 "2019-05-03" "gcc-9.1.0" "GNU"
A" For nroff, turn off justification. Always turn off hyphenation; it makes
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1.2211 jackson-module-jaxb-annotations 2.9.6

1.2212 kmod 24 1ubuntu3.2

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1.2217 jackson-databind 2.9.10

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1.2218 jul-to-slf4j 1.7.26

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1.2225 jtds 1.3.1

1.2226 instrumentation-api 0.4.3

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The packaging is based on Michael Biebl's <biebl@teco.edu> original packaging of libnl1.

It was downloaded from https://github.com/thom311/libnl/releases
Upstream Author:
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lib/route/addr.c
include/netlink/route/addr.h

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lib/route/cls/u32.c
lib/route/cls/fw.c
lib/route/sch/htb.c
include/netlink/route/cls/fw.h
include/netlink/route/sch/htb.h

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lib/netfilter/log_msg.c
lib/netfilter/ct.c
include/netlink/netfilter/log_msg.h
include/netlink/netfilter/log.h
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include/netlink/netfilter/queue_msg.h
lib/netfilter/queue_msg_obj.c
lib/netfilter/queue_msg.c
lib/netfilter/queue.c
lib/netfilter/netfilter.c
lib/netfilter/queue_obj.c
include/netlink/netfilter/netfilter.h
include/netlink/netfilter/queue.h
src/nf-queue.c
include/netlink/xfrm/selector.h
include/netlink/xfrm/sa.h
include/netlink/xfrm/ae.h
include/netlink/xfrm/sp.h
include/netlink/xfrm/template.h
include/netlink/xfrm/lifetime.h
lib/xfrm/sa.c
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lib/xfrm/ae.c
lib/xfrm/sp.c
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src/cls/utils.c
src/cls/cgroup.c
src/cls/utils.h
src/cls/basic.c
src/nl-addr-delete.c:

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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.

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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)
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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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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

--------------------------

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--------

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Original location:
https://github.com/majek/csiphash/

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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
-------

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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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      '/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct'
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  "_from": "spdx-license-ids@>=1.0.2 <2.0.0",
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  "_nodeVersion": "5.4.0",
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  "_phantomChildren": {},
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    "rawSpec": "^1.0.2",
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  "_resolved": "https://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz",
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  "author": {
    "name": "Shinnosuke Watanabe",
    "url": "https://github.com/shinnn"
  },
  "bugs": {
    "url": "https://github.com/shinnn/spdx-license-ids/issues"
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"devDependencies": {
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  "got": "^3.3.0",
  "istanbul": "^0.3.17",
  "require-bower-files": "^2.0.0",
  "rimraf": "^2.4.1",
  "stringify-object": "^2.2.0",
  "tape": "^4.0.0"
},
"directories": {},
"dist": {
  "shasum": "b549dd0f63dceb745a17e2ea3a07402e0e332d1e2",
  "tarball": "http://registry.npmjs.org/spdx-license-ids/-/spdx-license-ids-1.2.0.tgz"
},
"files": [
  "spdx-license-ids.json"
],
"gitHead": "f74a7a16ca05540e0e97ff1bb61da07829b5d9ab",
"homepage": "https://github.com/shinnn/spdx-license-ids#readme",
"keywords": [
  "array",
  "browser",
  "client-side",
  "id",
  "identifier",
  "identifiers",
  "json",
  "license",
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  {
    "name": "shinnn",
    "email": "snnskwtmb@gmail.com"
  }
],
"name": "spdx-license-ids",
"optionalDependencies": {},
"readme": "ERROR: No README data found!",
"repository": {
"type": "git",
"url": "git+https://github.com/shinnn/spdx-license-ids.git"
},
"scripts": {
"build": "node --harmonyArrowFunctions build.js",
"coverage": "node --harmonyArrowFunctions node_modules/.bin/istanbul cover test.js",
"coveralls": "${npm_package_scripts_coverage} && istanbul-coveralls",
"lint": "eslint --config node_modules/@shinnn/eslintrc/rc.json --ignore-path .gitignore .",
"pretest": "${npm_package_scripts_build} && ${npm_package_scripts_lint}",
"test": "node --harmonyArrowFunctions test.js"
},
"version": "1.2.0"
}
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[
"spdx-exceptions@^1.0.4",
"/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-parse"
]
],
"_from": "spdx-exceptions@>=1.0.4 <2.0.0",
"_id": "spdx-exceptions@1.0.4",
"_to": "spdx-exceptions@1.0.4"}
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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);
```
```javascript
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
```
```

SPDX expressions are valid, too ...

```javascript
```
```

... except if they contain `LicenseRef`:

```javascript
```
```

---

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

```javascript
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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{
"_args": [
[
"spdx-correct@~1.0.0",
"/Users/rebecca/code/npm/node_modules/validate-npm-package-license"
]
"dist": {
  "shasum": "4b3073d933ff51f3912f03ac5519498a4150db40",
  "tarball": "http://registry.npmjs.org/spdx-correct/-/spdx-correct-1.0.2.tgz"
},
"gitHead": "8430a3ad521e1455208db33faafcb79c7b074236",
"homepage": "https://github.com/kemitchell/spdx-correct.js#readme",
"keywords": [
  "SPDX",
  "law",
  "legal",
  "license",
  "metadata"
],
"license": "Apache-2.0",
"maintainers": [
  {
    "name": "kemitchell",
    "email": "kyle@kemitchell.com"
  },
  {
    "name": "othiym23",
    "email": "ogd@aoaioxxysz.net"
  }
],
"name": "spdx-correct",
"optionalDependencies": {},
"readme": "ERROR: No README data found!",
"repository": {
  "type": "git",
  "url": "git+https://github.com/kemitchell/spdx-correct.js.git"
},
"scripts": {
  "test": "defence README.md | replace-require-self | node && tape *.test.js"
},
"version": "1.0.2"

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/

#ifndef UV_BSD_H
#define UV_BSD_H

#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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*/

var parser = require('./parser.generated.js').parser

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

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

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# spdx-license-ids

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

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

## Use as a JavaScript Library

[![devDependency Status](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)

### Installation

#### Package managers

```
```
```sh
npm install spdx-license-ids
```
##### [bower](http://bower.io/)

```
```

##### [Duo](http://duo.js.org/)

```
```

##### Standalone

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

### API

#### spdxLicenseIds

Type: `Array` of `String`

It returns an array of SPDX license identifiers.

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

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var parse = require('spdx-expression-parse');
var correct = require('spdx-correct');

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

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

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

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

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

    try {
        ast = parse(argument);
    } catch (e) {
        var match
        if (argument === 'UNLICENSED' ||
            argument === 'UNLICENCED' ) {
            return {
                validForOldPackages: true,
                validForNewPackages: true,
            };
        } else {
            return (subscribeLicenseRef(ast.left) ||
                    subscribeLicenseRef(ast.right));
        }
    }
}


unlicensed: true

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

if (usesLicenseRef(ast)) {
    return {
        validForNewPackages: false,
        validForOldPackages: false,
        spdx: true,
        warnings: [genericWarning]
    };
} else {
    return {
        validForNewPackages: true,
        validForOldPackages: true,
        spdx: true
    };
}

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* * *

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var licenseIDs = require('spdx-license-ids');

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

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

var TRANSPOSED = 0;
var CORRECT = 1;

// Simple corrections to nearly valid identifiers.
var transforms = [
    // e.g. 'mit'
    function(argument) {
        return argument.toUpperCase();
    },
    // e.g. 'MIT '
    function(argument) {
        return argument.trim();
    },
    // e.g. 'M.I.T.'
    function(argument) {
        return argument.replace(/\./g, '');
    },
]
function(argument) {
  return argument.replace(/\s+/g, "");
},
// e.g. 'CC BY 4.0'
function(argument) {
  return argument.replace(/\s+/g, '-");
},
// e.g. 'LGPLv2.1'
function(argument) {
  return argument.replace('v', '-");
},
// e.g. 'Apache 2.0'
function(argument) {
  return argument.replace(/\s*(\d)/, '-$1');
},
// e.g. 'GPL 2'
function(argument) {
  return argument.replace(/\s*(\d)/, '-$1.0');
},
// e.g. 'Apache Version 2.0'
function(argument) {
  return argument.replace(/\s*(\d)/, '-$2');
},
// e.g. 'Apache Version 2'
function(argument) {
  return argument.replace(/\s*(\d)/, '-$2.0');
},
// e.g. 'ZLIB'
function(argument) {
  return argument[0].toUpperCase() + argument.slice(1);
},
// e.g. 'MPL/2.0'
function(argument) {
  return argument.replace('/', '-");
},
// e.g. 'Apache 2'
function(argument) {
  return argument.replace('/', '', '');
},
// e.g. 'GPL-2.0-
function(argument) {
  return argument.slice(0, argument.length - 1);
},
// e.g. 'GPL2'
function(argument) {
return argument.replace(/\d$/,'-$1.0');
};
// e.g. 'BSD 3'
function(argument) {
  return argument.replace(/(-| )\d$/, '-$2-Clause');
};
// e.g. 'BSD clause 3'
function(argument) {
  return argument.replace(/(-| )\d$/,'-$3-Clause');
};
// e.g. 'BY-NC-4.0'
function(argument) {
  return 'CC-' + argument;
};
// e.g. 'BY-NC'
function(argument) {
  return 'CC-' + argument + '-4.0';
};
// e.g. 'Attribution-NonCommercial'
function(argument) {
  return argument
    .replace('Attribution', 'BY')
    .replace('NonCommercial', 'NC')
    .replace('NoDerivatives', 'ND')
    .replace(/ (\d)/, '-$1')
    .replace(/ ?International/, '');
};
// e.g. 'Attribution-NonCommercial'
function(argument) {
  return 'CC-' +
    argument
    .replace('Attribution', 'BY')
    .replace('NonCommercial', 'NC')
    .replace('NoDerivatives', 'ND')
    .replace(/ (\d)/, '-$1')
    .replace(/ ?International/, '') +
    '-4.0';
}
];

// If all else fails, guess that strings containing certain substrings
// meant to identify certain licenses.
var lastResorts = [
  ['UNLI', 'Unlicense'],
  ['WTF', 'WTFPL'],
  ['2 CLAUSE', 'BSD-2-Clause'],
  ['2-CLAUSE', 'BSD-2-Clause'],
  ['3 CLAUSE', 'BSD-3-Clause'],
  ['3-CLAUSE', 'BSD-3-Clause'],
  ...]
var SUBSTRING = 0;
var IDENTIFIER = 1;

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

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

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

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

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{  
  
  "_args": [  
    [  
      "spdx-license-ids@^1.0.0",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-parse"
    ],  
  
    [  
      "spdx-license-ids@^1.0.2",
      "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-correct"
    ]  
  ]
  
  "_from": "spdx-license-ids@>=1.0.0 <2.0.0",
  "_id": "spdx-license-ids@1.2.0",
  "_inCache": true,
  "_installable": true,
  "_location": "/validate-npm-package-license/spdx-expression-parse/spdx-license-ids",
  "_nodeVersion": "5.4.0",
  "_npmUser": {
    "email": "snnskwtmb@gmail.com",
The package exports an array of strings.

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```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' },

```
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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 "FLTK-exception-2.0",
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 "GCC-exception-2.0",
 "GCC-exception-3.1",
 "LZMA-exception",
 "Libtool-exception",
 "Nokia-Qt-exception-1.1",
 "Qwt-exception-1.0",
 "WxWindows-exception-3.1",
 "eCos-exception-2.0",
 "freertos-exception-2.0",
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 "i2p-gpl-java-exception",
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```
var test = require('tap').test
var init = require('./')
var rimraf = require('rimraf')
var common = require('./lib/common')

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

    var wanted = {
      name: 'the-name',
      version: '1.0.0',
      description: '',
      scripts: { test: 'echo "Error: no test specified" && exit 1' },
      license: 'Apache-2.0',
      author: '',
      main: 'basic.js'
    }
    console.log('')
    t.has(data, wanted)
    t.end()
  })
  common.drive(['the-name
', '
', '
', '
', '
', '
', '
', '
', '
', '
',]
```
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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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// Original can be found at:
//   https://bitbucket.org/lindenlab/l1sd
// 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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"author": {
  "email": "kyle@kemitchell.com",
  "name": "Kyle E. Mitchell",
  "url": "http://kemitchell.com"
},
"bugs": {
  "url": "https://github.com/kemitchell/spdx-expression-parse.js/issues"
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  }
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"homepage": "https://github.com/kemitchell/spdx-expression-parse.js#readme",
"keywords": [
  "SPDX",
  "law",
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  "metadata",
  "package",
  "package.json",
  "standards"
],

"license": "(MIT AND CC-BY-3.0)",
"maintainers": [
"name": "kemitchell",
"email": "kyle@kemitchell.com"
],
"name": "spdx-expression-parse",
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"readme": "ERROR: No README data found!",
"repository": {
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"url": "git+https://github.com/kemitchell/spdx-expression-parse.js.git"
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"pretest": "npm run prepublish",
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Julian Seward, Cambridge, UK.
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1.2268 perfmark-api 0.17.0

1.2269 aws-java-sdk-sts 1.11.315

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1.2271 libvmtools 10.3.10 1~ubuntu0.18.04.1
1.2272 netty 3.9.9
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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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M. Welsh, 6 July 1996

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executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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1.2281 spring-messaging 4.3.10

1.2282 procps 3.3.10-10.el7

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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.

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<th>Year</th>
<th>Owner</th>
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Tests included here are based on build output generated by the six-speed benchmark suite.

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1.2293 cas-server-core-api-monitor 5.2.0

1.2294 go 1.5.2 0.7.git269f928.el7
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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 team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). 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 is 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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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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Execution tracing

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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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SipHash24
--------

The file `file:`Python/pyhash.c` contains Marek Majkowski' implementation of
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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
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zlib
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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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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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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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"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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

1.2319 alpine-keys 2.1 r2

1.2320 libunistring 0.9.10 1

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

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

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

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

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

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1.2324 libtasn 4.13 2
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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.

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1.2336 harfbuzz 1.7.2 1ubuntu1

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1.2337 cas-server-core-api 5.2.0

1.2338 libmspack 0.6-3ubuntu0.3

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1.2342 jetty-http 9.2.24.v20180105

1.2343 cas-server-core-api-web 5.2.0

1.2344 libyaml 0.1.7 2ubuntu3

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1.2345 threads 0.0.14

1.2346 udev 219 30.el7_3.9

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This is free software, and you are welcome to redistribute it 
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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 
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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'";

   my ($year) = $copyright_msg =~ /.*(\d{4,})/s
      or die "Year not found in README copyright message '$copyright_msg'";

}
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;
}

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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\n  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

1.2352 neo4j-management 3.3.9

1.2352.1 Available under license:

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1.2356 jackson-jaxrs-json-provider 2.9.9

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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- Voxeo Labs - sponsorship of the initial development of APIs for DTLS 1.0 (RFC 4347), DTLS-SRTP key negotiation (RFC 5764), and server side TLS 1.1 (RFC 4346) and tested WebRTC compatibility. More information on Voxeo Labs can be found at a href="http://voxeolabs.com">http://voxeolabs.com</a>

- <a href="https://www.coreinfrastructure.org/">Core Infrastructure Initiative</a> - financial support towards developing the TLS API and JSSE provider that appeared in 1.56.

- 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><a href="https://www.microfocus.com/">Micro Focus</a> - additional support towards further developing the TLS/DTLS API and the BCJSSE provider.</li>

People

<ul>
<li>Tito Pena &lt;Fortunato.Pena@AdNovum.CH&gt; - initial RC5 implementation</li>
<li>Michael Lee &lt;yfl@#064;mira.net&gt; - initial RC6 implementation, MD2 implementation</li>
<li>Nuno Santos &lt;nsantos@#064;student.dei.uc.pt&gt; - finding toString bug in certificate object.</li>
<li>Brett Sealey &lt;bretts@#064;mortbay.com&gt; - fixing the missing return problem in JDKKeyFactory (affected SSLeasy private keys).</li>
<li>Victor A. Salaman &lt;salaman@#064;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>
<li>Eran Librach &lt;eranl@#064;valicert.com&gt; - spotting and fixing the classLoader bug that occurs if javax.crypto and the provider aren't sharing the same classpath (occurs in JDK 1.3 and greater).</li>
<li>Jonathan Knudsen &lt;jonathan@#064;LearningPatterns.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.</li>
<li>Markus Niedermann &lt;markus.niedermann@#064;softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.</li>
<li>Mike Benham &lt;moxie@#064;thoughtcrime.org&gt; - detection and fixing of an incorrect weak key in the DES key generation support classes. Suggestions for simplifying DESedeParameter objects. Optimisations for the Blowfish engine and BufferedBlockCipher class.</li>
<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>
<li>Waclaw Sierek &lt;waclaw.sierek@#064;tpg.pl&gt; - fix to setOddParity in the DESParameter class. Assistance with adding ordering to X509 names for certificate generation, proper processing of byte strings in the ASN1 package, further simplifications and additional classes to improve pkcs7 support, bug fixes in CertPath API.</li>
<li>Ly-Na Phu &lt;lyna.phu@#064;init-consulting.de&gt; - assistance in the addition of ISO 9796-1 padding.</li>
<li>Stefan K&ouml;psell &lt;sk13@#064;mail.inf.tu-dresden.de&gt; - making the jdk 1.1 version of the collections API available. For further details see</li>
</ul>
GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes. getRevocationReason() patch for OCSP. Patch to SemanticsInformation to prevent ClassCastException.</li>
<li>Eugen Kuleshov &lt;euxx@hotmail.com&gt; - optimisations for Blowfish, assistance with PKCS12/keytool interoperability.</li>
<li>Megan Woods &lt;meganwoods@sekurafile.com&gt; - initial implementation of ECIES.</li>
<li>Christian Geuer-Pollmann &lt;geuerp@apache.org&gt; - adding IV's to the AESWrap implementations. Initial implementation of DESedeWrap.</li>
<li>Michael M&amp;#252;hle &lt;michael@ou4.mouling.de&gt; - contributing the initial CertPath implementation and compatibility classes, fixing provider bug in JDK 1.1 java.security.cert.CertificateFactory compatibility class.</li>
<li>Michael Mansell &lt;michael.mansell@csse.monash.edu.au&gt; - fixing the parsing of the empty DER set in the ASN.1 library.</li>
<li>Eike Recker &lt;eike.recker@gmx.de&gt; - fixing misspelling of provider reference for RSA/1 and RSA/2.</li>
<li>Chris Southern &lt;CSouthern@baltimore.com&gt; - fixing misuse of specified provider in the PKCS10 certificate request class.</li>
<li>Sidney Markowitz &lt;sidney@sidney.com&gt; - fixing null pointed exception on unknown OID in X509Name class, initial implementation of the three AES engines.</li>
<li>Chris Kerr &lt;ckerr@filonet.ca&gt; - initial implementation of the cms, asn1.cms, and the mail/smime packages, assistance in simplifying the ASN.1 package, miscellaneous other optimisations, NIST CertPath certification test, PKIXPolicyNode class, CertPath subtree validation and policy tree construction. We also wish to acknowledge the generosity of Filonet Corporation for allowing Chris to make the initial cms and mail/smime packages available to us.</li>
<li>Mike Bean &lt;mbean@lucentradius.com&gt; - fixing the fall through bug in the IV algorithm parameters class.</li>
<li>Martin Petraschek &lt;e9526225@student.tuwien.ac.at&gt; - fixing ASN1 tagging so tag values up to 30 are now supported.</li>
<li>Jess Garms &lt;jgarms@yahoo.com&gt; - fixing 112/168 key size bug for DESede key generation.</li>
<li>Mike Bremford &lt;mbremford@lucentradius.com&gt; - contributing the initial PKCS7 implementation.</li>
<li>Shankar Srinivasan &lt;ssr002@yahoo.com&gt; - S/Mime interoperability testing and debugging.</li>
<li>Stef Hoeben &lt;skynet.be&gt; - adding Montgomery multiplication to the BigInteger class.</li>
<li>Klaudiusz Ciosk &lt;kciok@max.com.pl&gt; - improving the compatibility of the SMIME package with the Sun JCE.</li>
<li>Thomas Houtekier &lt;Thomas.Houtekier@certPath.org&gt; - S/Mime testing and debugging. Interoperability with BizTalk.</li>
<li>Don Hillsberry &lt;hillsber@dialcorp.com&gt; - S/Mime testing and debugging.</li>
<li>Kazu Furuya &lt;furuuya@infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.</li>
<li>Jason Novotny &lt;jdnowotny@lbl.gov&gt; - initial work on the openSSL PEM processing.</li>
<li>Joel Hockey &lt;joel.hockey@qsipayments.com&gt; - initial work on the openSSL PEM processing.</li>
<li>John Steenbruggen &lt;JohnS@geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.</li>
<li>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 clearing issue in buffered block cipher.

Luigi Lo Iacono &lt;lo_iacono&#064;nu.ei.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.

Tim Sakach &lt;tsakach&#064;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 Claus&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;mcs.anl.gov&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.

Matteo Artuso &lt;matartuso&#064;libero.it&gt; - picking up the possible overead 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.

Johann Selander &lt;johans&#064;netfonds.no&gt; - general toString for BigInteger class.

Johannes Nicolai &lt;johannes.nicolai&#064;novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.

Marc Doberva &lt;marc.doberva&#064;lex-es.si.com&gt; - help in isolating the JSSE/BC RSA key issue.

Jan Dvorak &lt;jan.dvorak&#064;mthana.cz&gt; - initial implementation of the lightweight Null block cipher.

Joe Cohen &lt;jcohen&#064;forumsys.com&gt; - converting the ArrayOutOfBoundsException into what it should have been.

Chris Long &lt;aclong&#064;ece.cmu.edu&gt; - adding public key decoding to PEMReader.

Hes Siemelink &lt;hes&#064;064izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.

Stefan Puiu &lt;stefanpuiuro&#064;064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier.
objects in ASN.1 X.509 package. 

- Finding BigInteger loop problem in prime generation.
- patch to fix defect in DERBMPString.equals().
- patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.
- 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.
- array fix in PGP PublicKeyEncSessionPacket.
- null pointer exception fix for JDK 1.3 CMSIGNEDData objects.
- patch to OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.
- patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.
- addition of getSignatureType to PGPSignature.
- initial support for reading multiple rings from a PGP key file.
- patch for RSA PUBLIC KEY in PEMReader.
- initial parsing of multiple sequence entries in an X.500 Name.
- help with RipeMD320 implementation.
- improvements to the ASN.1 BasicConstraints object.
- addition of isEncryptionKey method to OpenPGP public keys.
- improvements to DEBitString, DERGeneralizedTime and initial implemantation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.
- patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKKeyPair to fix nullpointer exception.
- patch to use of BitString in X.500 name.
- patches for dealing with "odd" ArmoredInputStreams.
- patch to PGP SecretKey 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.
- extra aliases for provider.
- fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.
- addition of ZeroBytePadding.
- patch to explicit padded mode for CBC block cipher MAC.
- the Signed and Encrypted mail example.
- to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.
Petr Dukem &lt;pdukem@email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

Filipe Silva &lt;filipe.silva@wedoconsulting.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 PGP signatureGenerator, 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 PKCSS2ParametersGenerator.

Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.

Breitenstrom Christian &lt;C.Breitenstrom@t-systems.com&gt; - compatibility patch to SignaturePacket, SignedSignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko &lt;Zanotti@cad.it&gt; - patch to ordered equality test for X509Name.

Nicola Scendon &lt;nscendon@064babelps.it&gt; - patch to add sorting to CertPath validation.

Ville Skyttä &lt;ville.skyttaj@iki.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@064savvis.net&gt; - patch to secret key creation encoding NullPointerExcpetion 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@javi.codewarp.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"&gt;EGEE project&lt;/a&gt; for making the work available.

Rolf Schillinger &lt;rolf@064srir-wum.de&gt; - initial implementation of Attribute Certificate generation.

Sergey Bahtin &lt;Sergey.Bahtin@064yahoo.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;tymnk@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@064rekssoft.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@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 verificatin in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

Dirk Eisner &lt;d.eisner@064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.
Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;matartuso&#0646libero.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&#0646intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florian Kollan &lt;adlocflo&#0646web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassiliev &lt;paavlas&#064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman &lt;tom&#0646linux.net&gt; - addition of DES-ED3 encryption for RSA-Private keys to PEMWriter.</li>
<li>Lukasz Kowalczuk &lt;lukasz.b.kowalczyk&#0646gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch&#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix&#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee&#0646crossroads.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&#064embodys.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>Ari Gold &lt;ari&#0646hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz &lt;cschultz&#0646gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee &lt;dmlee&#0646crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees&#0644ddcom.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&#0646mac.com&gt; - initial ECNR implementation.</li>
<li>Remi Blancher &lt;Remi.Blancher&#0646keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian O'Rourke &lt;brianorourke&#0646gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier&#0646cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-ED3 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>
<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&#0646gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente &lt;superdupont&#0646gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinin, &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)&lt;#64bluewin.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>Jürg Eichhorn &lt;eichhorn@ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Karsten Ohme &lt;widerstand@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>Jörg Eichhorn &lt;eichhorn@ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for 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. Support for surrogate pairs in DERUTF8String. DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, 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 implicitDSA 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.</li>
<li>Carlos Lozano Ruiz &lt;carlos@064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.</li>
<li>John Alfred Prufrock &lt;j.a.prufrock@gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
<li>Stefan Neusatz Guilhen &lt;stneusatz@064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
<li>Marzio Lo Giudice &lt;marzio.logiudice@064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>
<li>Georg Lippold &lt;georg.lippold@064gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>
<li>Chris Viles &lt;chris_viles@064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>
<li>Pasi Eronen &lt;pasi.eronen@064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
<li>Maria Ivanova &lt;maria.ivanova@064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schilder &lt;m.schilder@064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Xavier Le Vouch &lt;xavier@064brittanysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews@064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.</li>
<li>Thomas Dixon &lt;reikomusha@064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info@064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;r.joaquim@064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;DStacey@064allantgroup.com&gt; - addition of trust packet checking on revocation.
signatures in PGPSecretKeyRing.</li>
<li>Martijn Brinkers &lt;list@064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juliusdavies@064gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Matthias &lt;g@064ttn.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>
<li>Olga K&amp;uuml;lthler &lt;olga.klaethler@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.</li>
<li>Germano Rizzo &lt;germano.rizzo@064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
<li>N&amp;uuml;autece;ria Mar&amp;uuml;autec; &lt;numaa@064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
<li>Michael Samblanet &lt;mike@064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;msjohans@064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller@064gmail.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_gff@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 Gwozdz &lt;gwozdziu@064rpg.pl&gt; - addition of getTsas() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski &lt;bmalkow@064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMAC.</li>
<li>Tal Yacobib &lt;tal.yacobi@064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@064gmail.comt&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</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;mavricknz@064yahoo.com&gt; - patch to construtor 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;ppeck@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@064sigid-und-michael.de&gt; - fix of improper handling of null in
ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in
TimeStampResponse.validate().

- Ion Larrañaga &lt;ilarra@ntilde;aga &amp;lt;ilarra@#64s21sec.com&amp;gt; fix to default partial packet generation in
BCPGOutputStream.

- Bob Kerns &lt;bob.kerns@#64positscience.com&amp;gt; fix to hashCode for X509CertificateObject.

- Stefan Meyer &lt;stefan.meyer@#64ewe.de&amp;gt; backport for PKIXCertPathValidator and
SMIMESignedMailReviewer.

- Robert J. Moore &lt;Robert.J.Moore@#64allanbank.com&amp;gt; speedups for OpenPGPCFB mode, clean room
JCE patches.

- Rui Hodai &lt;rui@#64po.ntts.co.jp&amp;gt; speed ups for Camellia implementation, CamelliaLightEngine.

- Emir Bucalovic &lt;emir.bucalovic@#64mail.com&amp;gt; initial implementation of Grain-v1 and Grain-128.

- Torbjorn Svensson &lt;ttobue79@#64gmail.com&amp;gt; initial implementation of Grain-v1 and Grain-128.

- Paul FitzPatrick &lt;bouncycastle_pfitz@#64fitzpatrick.cc&amp;gt; error message fix to X509LDAPCertStoreSpi,
comparison fix to BCStrictStyle.

- Henrik Andersson &lt;k.henrik.andersson@#64gmail.com&amp;gt; addition of UniqueIssuerID to certificate
generation.

- Cagdas Cirit &lt;cagdascirit@#64gmail.com&amp;gt; subjectAlternativeName fix for x509CertStoreSelector.

- Harakiri &lt;harakiri_23@#64yahoo.com&amp;gt; datahandler patch for attached parts in SMIME signatures.

- Pedro Henriques &lt;pmahenriques@#64gmail.com&amp;gt; explicit bounds checking for DESKeyGenerator, code
simplification for OAEPEncoding.

- Lothar Kinneringer &lt;job@#64kinneringer.de&amp;gt; verbose mode for ASN1Dump, support for
DERExternal, DNS performance fix for SMIME API.

- Richard Farr &lt;farr.se@#64gmail.com&amp;gt; initial SRP-6a implementation.

- Thomas Castiglione &lt;castiglione@#644au.ibm.com&amp;gt; patch to encoding for CRMF OptionalValidity.

- Elisabetta Romani &lt;eromani@#64sogei.it&amp;gt; patch for recognising multiple counter signatures.

- Robin Lundgren &lt;737lundgren@#64gmail.com&amp;gt; CMPCertificate constructor from
X509CertificateStructure fix.

- Petr Kadlec &lt;normegil@#64centrum.cz&amp;gt; fix to sign extension key and IV problem in HC-128, HC-256.

- Andreas Antener &lt;antener_a@#64gmx.ch&amp;gt; fix to buffer reset in AsymmetricBufferedBlockCipher.

- Harendra Rawat &lt;hsrawat@#64yahoo.com&amp;gt; fix for BERConstructedOctetString.

- Rolf Lindemann &lt;lindemann@#64trustcenter.de&amp;gt; patch for PKCS12 key store to support more flexible
attribute specifications #BMA-42.

- Alex Artamonov &lt;alexart.home@#64gmail.com&amp;gt; name look up patch for GOST-2001 parameters.

- Mike Lyons &lt;mlyons@#64layer7tech.com&amp;gt; work arounds for EC JDK bug 6738532 and JSSE EC
naming conventions.

- Chris Cole &lt;chris_h_cole@#64yahoo.com&amp;gt; identified a problem handling null passwords when loading a
BKS keystore.

- Tomas Krivanek &lt;tom@#64atack.cz&amp;gt; added checking of Sender header to SignedMailValidator.

- Michael &lt;emfau@#64t-online.de&amp;gt; correction of field error in getResponse method in
CertRepMessage.

- Trevor Perrin &lt;trevor@#64cryptography.com&amp;gt; addition of constant time equals to avoid possible timing
attacks.

- Markus Kil@arings @lt;markus@#64primekey.se&amp;gt; several enhancements to
TimeStampResponseGenerator.

- Dario Novakovic &lt;darionis@#64yahoo.com&amp;gt; fix for NPE when checking revocation reason on CRL
without extensions.

- Michael Smith &lt;msmith@#64cnbco.com&amp;gt; bug fixes and enhancements to the CMP and CRMF classes,
initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio@gmail.com&gt; fix for PEM password encryption of private keys.</li>
<li>Alex Birkett &lt;alexbirke.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
<li>Wayne Grant &lt;waynegrant@gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.</li>
<li>Frank Cornelis &lt;info@604frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittbener &lt;jan@604dittbener.info&gt; addHeader patch for SMIME generator.</li>
<li>Bob McGowan &lt;bob.mcgood@604btinternet.com&gt; patch to support different object and mgf digests in PSS signing.</li>
<li>Ivo Matheis &lt;i.matheis@604seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini &lt;nessche@604gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf &lt;alfilmalf@604hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa &lt;alfonso.massa@604insiel.it&gt; contributions to CMS time stamp classes.</li>
<li>Wayne Grant &lt;waynegrant@gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.</li>
<li>Alex Birkett &lt;alexbirke.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
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<li>Wayne Grant &lt;waynegrant@gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

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X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD./li><li>Maarten Bodewes &lt;maarten.bodewes@064gmail.com&gt;: initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions./li><li>Philip Clay &lt;phil_b@#064yahoo.com&gt;: Initial implementation of J-PAKE./li><li>Brian Carlstrom &lt;bcd@#064carlstrom.com&gt;: compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory./li><li>Samuel Lid&eacute;acute;n Borell &lt;samuel@#064primekey.se&gt;: patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder./li><li>Sergio Demian Lerner &lt;sergio.lerner@#064certimix.com&gt;: pointing out isInfinity issue in ECDSASigner signature verification./li><li>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/OpenBSDBCrypt, PGP API documentation and code quality work./li><li>Marcus Lundblad &lt;marcus.lundblad@#064primekey.se&gt;: patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation./li><li>Andrey Zhoshin &lt;zhoshin@#064xm.ru&gt;: patch for override of TSP SignerInfo attributes./li><li>Sergey Tiunov &lt;tiunov@#064gmail.com&gt;: initial cut of DVCS classes./li><li>Damian Kolas &lt;fatfredyy@#064gmail.com&gt;: ASN1Sequence patch for class cast issue in X9Curve./li><li>Ash Hughes &lt;ashley.hughes@#064blueyonder.co.uk&gt;: patches for supporting PGPPrivateKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures()./li><li>Daniele Ricci &lt;daniele.athom@#064gmail.com&gt;: initial implementation of EC keys for OpenPGP and RFC6637 support./li><li>Matti Aarnio &lt;matti.aarnio@#064mhetics.fi&gt;: tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner./li><li>Babak Najafi &lt;bnajafi@#064akamai.com&gt;: fixes to OpenPGP NotationData to prevent truncation problems./li><li>Eric M&uuml;ller &lt;eric.mueller@#064sage.de&gt;: additional standard algorithm name lookups in JcaPEMKeyConverter./li><li>Mathias Herberts &lt;Mathias.Herberts@#064gmail.com&gt;: fix to inOff usage in RFC3394WrapEngine./li><li>Daniil Ivanov &lt;daniil.ivanov@#064gmail.com&gt;: addition of provider support for GOST HMAC SecretKeyFactory./li><li>Daniele Grasso &lt;daniele.grasso@#064gmail.com&gt;: contributions to final Key calculation code for SRP6./li><li>Andrey Utkin &lt;cindrhc@#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>AxelVDB &lt;axel-vdb@#064riseup.net&gt;; initial implementation of Shacal2.</li>
<li>Roberto Tyley &lt;robot.tyley@#064pdflabs.com&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@#064google.com&gt;: AlgorithmParameters check for EC key agreement.</li>
<li>Jonathan Gillett &lt;gsoo.student@#064gmail.com&gt;: Initial support for block cipher IVs in IESEngine, IESMAC 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@#064arago.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@#064traxel.com&gt;: Clean up of DirectKeySignature example.</li>
<li>Maurice Aarts &lt;aarts@#064risecure.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;tobias.wich@#064ecsec.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;j.l.kapitza@#064schwarze-allianz.de&gt;: Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Eklund &lt;https://github.com/johan@#064primekey.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-vdb@#064riseup.net&gt;: Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>
<li>Derek Atkins &lt;derek@#064ihtfp.com&gt;: Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt;peto@#064halicky.sk&gt;: Correction to notification/error message handling in SignedMailValidator.</li>
<li>Thomas Belot &lt;thomas.belot@#064gmail.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>Byouml;n Kautler &lt;https://github.com/Vampire&gt;: Refinements to cert path validation (authority key addition, certificate order preservation).</li>
<li>Dominik Schuuml;nmann &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.

- Michael &lt;MSKnete&#064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.

- Tobias Wagner &lt;to.gian.&amp;#064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BIA-536].

- Sergio Giro &lt;sgiro&#0646google.com&gt; Fixed adding of additional stores from CRL distribution point [#BIA-537]. Fixed missing null check for CRL certificate issuer [#BIA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

- bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMMSSignedDataParser.

- Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.

- Michael &lt;j.w.janssen+outbouncycastle@#064xtreme.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.

- Benoît Charles &lt;benoît.charles@#064opentrust.com&gt; Fix for IES data length check on decryption.

- Niko &lt;nfink95&#064gmail.com&gt; Fix to cast issue in getOutputSize() for ECIES.

- akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.

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

- Luukas Deputat &lt;luukas.deputat@#064gmail.com&gt; Fixed bugs in TlsUtils read methods [#BIA-592].

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

- Andrzej 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.

- Andrzej 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;jaegele@#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@#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;storojch@#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@mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.

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

mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.


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

didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.

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

Artem Storozhuk &lt;storojs72@gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.

Andreas Glaser &lt;andreas.glaser@0xchrismccown.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@bit3consulting.com&gt; performance fixes for CTRSP800DRBG.

David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPTRounds checking.

chrismccown &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.

Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtil.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 Valodim and str4d as well).</li>
<li>gerlion &lt;https://github.com/gerlion&gt;: detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu&#064;gmail.com&gt;: identification and suggested fixes for possible timing vulnerability in
OAEPEncoding and RSACoreEngine.</li>
<li>MTG &lt;https://github.com/mttgag&gt;: patch for decoding issues in PKIPublicationInfo and
CertifiedKeyPair.</li>
<li>Andreas Gadermaier &lt;up.gadermaier&#064;gmail.com&gt;: initial version of Argon2 PBKDF algorithm.</li>
<li>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.</li>
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt;: initial version of RFC 4998 ASN.1 classes.</li>
Submitted ChaCha20Poly1305 prototype.</li>
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt;: JavaDoc patches to ReasonsMask.</li>
<li>Gabriel Sroka &lt;https://github.com/gabrielsroka&gt;: corrected comments in RSA validation.</li>
<li>sarah-mdv &lt;https://github.com/sarah-mdv&gt;: improvements to JceKeyTransRecipientInfoGenerator, tests
for JournalingSecureRandom, initial implementation of JournaledAlgorithm.</li>
<li>Jesse Feinman &lt;https://github.com/jessefeinman&gt;: performance optimisation in RSAKeyParameters.</li>
<li>Galis95 &lt;https://github.com/Galis95&gt;: improved JSSE compatibility for setEnabledCipherSuites.</li>
<li>Haemin Yoo &lt;https://github.com/yoohaemin&gt;: Javadoc fixes.</li>
<li>Antoine Toulme &lt;https://github.com/antotoulme&gt;: Initial implementation of EthereumIESEngine.</li>
<li>Moses Palm&amp;eacute;:r, TrueSec &lt;Henrik.Palmer&#064;truesec.se&gt;: Additional improvements to constant
time comparisons.</li>
<li>Tobias Ospelt &lt;https://github.com/securitykernel&gt;: Update to XMSS/XMSS^MT OID values to
bring them in line with RFC 8391.</li>
<li>Gaylor Bosson &lt;https://github.com/gilthoniel&gt;: Initial implementation of Blake2s.</li>
<li>gaellalire &lt;https://github.com/gaellalire&gt;: Patch for unprotected PGP private keys as SExpr.</li>
<li>Nick hitchan &lt;https://github.com/hitchan&gt;: Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>
<li>dbusche &lt;https://github.com/dbusche&gt;: Argon2 optimisations.</li>
<li>Daniel Heldt &lt;https://github.com/dheldt&gt;: Fixing encodings in unicode tests to allow a wider range of Java
compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
<li>Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt;: Fix for initially bugged legacy
Integers.numberOfLeadingZeros method.</li>
<li>Gsealy &lt;https://github.com/Gsealy&gt;: addition of PBKDF2withHmacSM3 to the provider.</li>
<li>aphuang2013 &lt;https://github.com/aphuang2013&gt;: update to path validation in EST service for ClearPath
EST.</li>
<li>Kevin Herron &lt;https://github.com/kevinherron&gt;: Initial ChaCha20Poly1305 prototype.</li>
<li>vkreml &lt;https://github.com/vkreml&gt;: GOST compliance change for
DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt;https://github.com/tobias&amp;#064pentagrid.ch&gt;: Identification of 1.63 regression in ASN.1 parsing.</li>
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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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tomb - support for clean goroutine termination in Go.

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

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package goautoneg
import "bitbucket.org/ww/goautoneg"

HTTP Content-Type Autonegotiation.

The functions in this package implement the behaviour specified in http://www.w3.org/Protocols/rfc2616/rfc2616-sec14.html

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FUNCTIONS

func Negotiate(header string, alternatives []string) (content_type string)
Negotiate the most appropriate content_type given the accept header and a list of alternatives.

func ParseAccept(header string) (accept []Accept)
Parse an Accept Header string returning a sorted list of clauses

TYPES

type Accept struct {
    Type, SubType string
    Q float32
    Params map[string]string
}
Structure to represent a clause in an HTTP Accept Header
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BSON library for Go

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package simulator

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{  
    }
  }
}
type LicenseManager struct {
  mo.LicenseManager
}

func NewLicenseManager(ref types.ManagedObjectReference) object.Reference {
  m := &LicenseManager{}          
  m.Self = ref
  m.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 {
      body.Res.Returnval = licenseInfo(license.LicenseKey, license.Labels)
      return
    }
  }

  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
                }
            } else {
                return body
            }
        }

        license.Labels = append(license.Labels, types.KeyValue{
            Key: req.LabelKey,
            Value: req.LabelValue,
        })
    }

    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
            }
        } else {
            return body
        }
    }

    license.Labels = append(license.Labels, types.KeyValue{
        Key: req.LabelKey,
        Value: req.LabelValue,
    })
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
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1.2372 core-module 1.1.11
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1.2374 open-vm-tools 10.3.10-1~ubuntu0.18.04.1

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1.2375 netty-buffer 4.1.14

1.2376 xz 5.2.2 1.2+b1

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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
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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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1.2398 cas-server-core-web 5.2.0

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1.2403 jffi 1.2.16

1.2404 net-tools 1.60+git20180626.aebd88e-1

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1.2407 prometheus-client 1.5.2
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procfs provides functions to retrieve system, kernel and process 
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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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1.2412 jetty-http 9.4.8.v20171121

1.2413 spring-jdbc 5.1.7

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1.2414 lz4-java 1.4

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

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1.2422 python-backports 1.0-8.el7

1.2423 httpcore-nio 4.4.1
1.2423.1 Available under license :

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1.2424 intel-microcode
3.20190618.0ubuntu0.18.04.1

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1.2425 lib-jpeg-turbo 1.2.90-5.el7

1.2426 libxrender 0.9.8 2.1.el7

1.2426.1 Available under license:

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1.2427 zlib 1.2.11

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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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*/

1.2428 vim 8.0.1453-1ubuntu1.1

1.2428.1 Available under license :

" Vim syntax file
" Language:Software Distributor product specification file
"(POSIX 1387.2-1995).
" Maintainer:Rex Barzee <rex_barzee@hp.com>
" Last change:25 Apr 2001

" quit when a syntax file was already loaded
if exists("b:current_syntax")
  finish
endif

" Product specification files are case sensitive
syn case match

  syn keyword psfObject bundle category control_file depot distribution
  syn keyword psfObject end file filesset host installed_software media
  syn keyword psfObject product root subproduct vendor
Some of the attributes covered by attUnquotString and attQuotString:

- architecture
- category_tag
- control_directory
- copyright
- create_date
- description
- directory
- file_permissions
- install_source
- install_type
- location
- machine_type
- mod_date
- number
- os_name
- os_release
- os_version
- pose_as_os_name
- pose_as_os_release
- readme
- revision
- share_link
- title
- vendor_tag

These regions are defined in attempt to do syntax checking for some of the attributes.
" Define the default highlighting.
" Only when an item doesn't have highlighting yet

    hi def link psfObject      Statement
    hi def link psfAttrib      Type
    hi def link psfQuotString  String
    hi def link psfObjTag      Identifier
    hi def link psfAttAbbrev   PreProc
    hi def link psfObjTags     Identifier

    hi def link psfComment     Comment

" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"

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Version 2.1, February 1999

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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.

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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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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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
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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 least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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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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Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.022471
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END OF TERMS AND CONDITIONS

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

VIM REFERENCE MANUAL  by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
*icc* *ICCF*
Vim is Charityware.  You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda.  Please see |kcc| below 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 features.  See [sponsor].  The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

VIM LICENSE

1) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text.  You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text.  You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.
II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

1) This license text must be included unmodified.
2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version, also applies to your changes. The current maintainer is Bram Moolenaar <Bram@vim.org>. If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.
   b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
   c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.
   d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:
      - The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
      - You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
      - You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
   e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or
any later version.
3) A message must be added, at least in the output of the ":version"
   command and in the intro screen, such that the user of the modified Vim
   is able to see that it was modified. When distributing as mentioned
   under 2)e) adding the message is only required for as far as this does
   not conflict with the license used for the changes.
4) The contact information as required under 2)a) and 2)d) must not be
   removed or changed, except that the person himself can make
   corrections.

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   by e-mail or by uploading the files to a server and e-mailing the URL.
   If the number of changes is small (e.g., a modified Makefile) e-mailing a
   context diff will do. The e-mail address to be used is
   <maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim
   sources, parts of it or from a modified version. You may use this
   license for previous Vim releases instead of the license that they came
   with, at your option.

=== 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
Finsterruethof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:et:ft=help:norl:
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 */
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This authentication method operates similarly to password except that it uses BSD Authentication to verify the password. BSD Authentication is used only to validate user name/password pairs. Therefore the user's role must already exist in the database before BSD Authentication can be used for authentication. The BSD Authentication framework is currently only available on OpenBSD.

BSD Authentication in PostgreSQL uses the auth-postgresql login type and authenticates with the postgresql login class if that's defined in login.conf. By default that login class does not exist, and will use the default login class.

To use BSD Authentication, the PostgreSQL user account (that is, the operating system user running the server) must first be added to the auth group. The auth group exists by default on OpenBSD systems.
34.12.Notice Processing

Notice and warning messages generated by the server are not returned by the query execution functions, since they do not imply failure of the query. Instead they are passed to a notice handling function, and execution continues normally after the handler returns. The default notice handling function prints the message on \texttt{stderr}, but the application can override this behavior by supplying its own handling function.

For historical reasons, there are two levels of notice handling, called the notice receiver and notice processor. The default behavior is for the notice receiver to format the notice and pass a string to the notice processor for printing. However, an application that chooses to provide its own notice receiver will typically ignore the notice processor layer and just do all the work in the notice receiver.

The function \texttt{PQsetNoticeReceiver} sets or examines the current notice receiver for a connection object. Similarly, \texttt{PQsetNoticeProcessor} sets or examines the current notice processor.

```
typedef void (*PQnoticeReceiver) (void *arg, const PGresult *res);
PQnoticeReceiver
PQsetNoticeReceiver(PGconn *conn,
    PQnoticeReceiver proc,
    void *arg);
```

```
typedef void (*PQnoticeProcessor) (void *arg, const char *message);
PQnoticeProcessor
PQsetNoticeProcessor(PGconn *conn,
    PQnoticeProcessor proc,
    void *arg);
```

Each of these functions returns the previous notice receiver or processor function pointer, and sets the new value. If you supply a null function pointer, no action is taken, but the current pointer is returned.

When a notice or warning message is received from the server, or
generated internally by <span class="application">libpq</span>, the notice receiver function is called. It is passed the message in the form of a <code class="symbol">PGRES_NONFATAL_ERROR</code>.

The notice processor is responsible for handling a notice or warning message given in text form. It is passed the string text of the message (including a trailing newline), plus a void pointer that is the same one passed to <code class="function">PQsetNoticeProcessor</code>. (This pointer can be used to access application-specific state if needed.)

Once you have set a notice receiver or processor, you should expect that that function could be called as long as either the <code class="structname">PGconn</code> object or <code class="structname">PGresult</code> objects made from it exist. At creation of a <code class="structname">PGresult</code>, the <code class="structname">PGconn</code>’s current notice handling pointers are copied into the <code class="structname">PGresult</code> for possible use by functions like <code class="function">PQgetvalue</code>. 

The default notice receiver simply extracts the message (using 
<code class="function">PQresultErrorMessage</code> ) and passes it to the notice processor.

The default notice processor is simply:

```c
static void
defaultNoticeProcessor(void *arg, const char *message)
{
    fprintf(stderr, "%s", message);
}
```

Once you have set a notice receiver or processor, you should expect that that function could be called as long as either the 
<code class="structname">PGconn</code> object or <code class="structname">PGresult</code> objects made from it exist. At creation of a <code class="structname">PGresult</code>, the <code class="structname">PGconn</code>’s current notice handling pointers are copied into the <code class="structname">PGresult</code> for possible use by functions like <code class="function">PQgetvalue</code>. 

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{
    fprintf(stderr, "%s", message);
}
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Once you have set a notice receiver or processor, you should expect that that function could be called as long as either the 
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1.2434 ebttables 1.6.1 r0
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/*
 * arptables:
 * Author: Bart De Schuymer <bdschuym@pandora.be>, but
 * almost all code is from the iptables userspace program, which has main
 * authors: Paul.Russell@rustcorp.com.au and mneuling@radlogic.com.au
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 */

/*
Currently, only support for specifying hardware addresses for Ethernet
This tool is not user-proof: you can specify an Ethernet source address and set hardware length to something different than 6, f.e.

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1.2441 el-impl 2.2

1.2442 tyrus-container-grizzly 1.2.1

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package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 *
 * <p>Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a { @code java.io.FilePermission} object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * { @code java.lang.RuntimePermission},
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 *
 * <p>An important method that must be implemented by each subclass is
 * the { @code implies} method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 * Thus, this is not an equality test, but rather more of a
 * subset test.
 *
 * <p>Permission objects are similar to String objects in that they
 * are immutable once they have been created. Subclasses should not
 * provide methods that can change the state of a permission
 * once it has been created.
 *
 * @see Permissions
 * @see PermissionCollection
 */
public abstract class Permission implements Guard, java.io.Serializable {

    private static final long serialVersionUID = -563657022231596674L;

    private String name;

    /**
     * Constructs a permission with the specified name.
     *
     * @param name name of the Permission object being created.
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * Implements the guard interface for a permission. The
     * SecurityManager.checkPermission method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.
     *
     * @param object the object being guarded (currently ignored).
     *
     * @throws SecurityException if a security manager exists and its
     *    [code checkPermission] method doesn't allow access.
     *
     * @see Guard
     * @see GuardedObject
     * @see SecurityManager#checkPermission
     */
    public void checkGuard(Object object) throws SecurityException {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null) sm.checkPermission(this);
    }

    /**
     * Checks if the specified permission's actions are "implied by"
     * this object's actions.
     */
* <p>
* This must be implemented by subclasses of Permission, as they are the
* only ones that can impose semantics on a Permission object.
* 
* <p>The { @code implies} method is used by the AccessController to determine
* whether or not a requested permission is implied by another permission that
* is known to be valid in the current execution context.
* 
* @param permission the permission to check against.
* 
* @return true if the specified permission is implied by this object,
* false if not.
* */

public abstract boolean implies(Permission permission);

/**
* Checks two Permission objects for equality.
* <p>
* Do not use the { @code equals} method for making access control
* decisions; use the { @code implies} method.
* 
* @param obj the object we are testing for equality with this object.
* 
* @return true if both Permission objects are equivalent.
* */

public abstract boolean equals(Object obj);

/**
* Returns the hash code value for this Permission object.
* <p>
* The required { @code hashCode} behavior for Permission Objects is
* the following:
* <ul>
* <li>Whenever it is invoked on the same Permission object more than
* once during an execution of a Java application, the
* { @code hashCode} method
* must consistently return the same integer. This integer need not
* remain consistent from one execution of an application to another
* execution of the same application.
* <li>If two Permission objects are equal according to the
* { @code equals} method, then calling the { @code hashCode} method on each of the
* two Permission objects must produce the same integer result.
* </ul>
* 
* @return a hash code value for this object.
public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a {@code java.io.FilePermission},
 * the name will be a pathname.
 *
 * @return the name of this Permission.
 */

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 *
 * both return
 * "read,write" when the {@code getActions} method is invoked.
 *
 * @return the actions of this Permission.
 */

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the {@code PermissionCollection.implies} method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: '("ClassName" "name" "actions")', or
 * '("ClassName" "name")' if actions list is null or empty.
 *
 * @return information about this Permission.
 */

public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + " " + actions + ")";
    }
}

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 */
package com.sun.javafx.runtime.eula;

/**
 * A simple interface to show the End User License Agreement(EULA) dialog
 */
public interface Eula {

/**
 * display the eula dialog, if not already shown
 * @return false if eula was rejected, true otherwise
 */
public boolean show();

/**
 * accept the EULA, so no EULA dialog will be displayed
 */
public void accept();
}

show()Zaccept()V
SourceFileEula.java com/sun/javafx/runtime/eula/Eula.java/lang/Object

Copyright:

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APPLICATION_LICENSE_TEXT

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!java/lang/Enumclone()Ljava/lang/Object;sun/net/ftp/FtpDirEntry5(Ljava/lang/Class;Ljava/lang/String;);Ljava/lang/Enum;(Ljava/lang/String;I)V@1@@@@"
package java.security.acl;

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */

public interface Permission {

/**
 * Returns true if the object passed matches the permission represented
 * in this interface.
 *
 * @param another another the Permission object to compare with.
 */
* @return true if the Permission objects are equal, false otherwise
*/
public boolean equals(Object another);

/**
 * Prints a string representation of this permission.
 *
 * @return the string representation of the permission.
 */
public String toString();
show them these terms so they know their rights.

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1.2467 libmnl 1.0.4 r0

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Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python’s
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In 1995, Guido continued his work on Python at the Corporation for
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In May 2000, Guido and the Python core development team moved to
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.. highlight:: none

.. _history-and-license:

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| 2.4.3          | 2.4.2        | 2006      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.5            | 2.4          | 2006      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.5.1          | 2.5          | 2007      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.5.3          | 2.5.2        | 2008      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.6            | 2.5          | 2008      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.6.1          | 2.6          | 2008      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.6.2          | 2.6.1        | 2009      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.6.3          | 2.6.2        | 2009      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.6.4          | 2.6.3        | 2010      | PSF        | yes             |
|----------------+--------------+-----------+------------+-----------------+
| 2.7            | 2.6          | 2010      | PSF        | yes             |

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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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Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/. ::

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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
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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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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

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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.

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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1.2482 bzip2 1.0.7

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1.2483 gcc 8.3.0-r0

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@end enumerate

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@end enumerate
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```latex
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\texttt{\@var{one line to give the program's name and a brief idea of what it does.}}
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\texttt{\@end smallexample}
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```latex
\texttt{\@smallexample}
\texttt{\@var{program} Copyright (C) \@var{year} \@var{name of author}}
\texttt{This program comes with ABSOLUTELY NO WARRANTY; for details type \texttt{\@samp{show w}}.}
\texttt{This is free software, and you are welcome to redistribute it under certain conditions; type \texttt{\@samp{show c}} for details.}
\texttt{\@end smallexample}
```

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@c man end

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DRuntime: Runtime Library for the D Programming Language

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. ds R" "
. ds C"'
. ds C"`
.br}
"
'br}
"

" Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(.g .ds Aq \(aq
.eI .ds Aq ' 
"
" If the F register is >0, we'll generate index entries on stderr for
titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
entries marked with X<> in POD. Of course, you'll have to process the
output yourself in some meaningful fashion.
"
"
" Avoid warning from groff about undefined register 'F'.
de IX
.
.nr rF 0
.if \n(.g .if rF .nr rF 1
.if (\n(rF:\n(g==0)) \{ 
 . if \nF \{
 . de IX
 . tm Index:\$1\n%t"\$2"
 ..
 . if !\nF==2 \{
 . nr % 0
 . nr F 2
 . \}
 . \}
"
"
" Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
"
" Fear. Run. Save yourself. No user-serviceable parts.
." fudge factors for nroff and troff
.if n \{
 . ds #H 0
 . ds #V .8m
 . ds #F .3m
 . ds #[ \f1
 . ds #] \fP
"
"
" Fudge factors for nroff and troff
.if t \{
 . ds #H ((1u-(\\n(\fu%2u))*1.3m)
 . ds #V .6m
 . ds #F 0
 . ds #[ \&
 . ds #]} \&
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6b.
.IP "d." 4
.IX Item "d."
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.IP "e." 4
.IX Item "e."
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.RE
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# so that they have the form:

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# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.

# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.

# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.

# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:

#    update-copyright.py --this-year

# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:

#    update-copyright.py --this-year libitm

# would run the script on just libitm/.

# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0
def report(self, filename, string):
    if filename:
        string = filename + ':' + string
    sys.stderr.write(string + '
')
    self.num_errors += 1

def ok(self):
    return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set([  
            '# Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            '# Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltoptions.m4',
            'ltversion.m4',
            'lt~obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
            'symlink-tree',
        ])}
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
]

def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('	')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True
    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True
    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs
def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include ‘.’ for typos.
        ranges = '[0-9][-0-9,\s]+[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\w-'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|\w-')

        # Matches a full copyright notice:
        self.copyright_re = re.compile (  # 1: 'Copyright (C)', etc.
            '([Cc]opyright'  # 1: 'Copyright (C)', etc.
            '[Cc]opyright\s+\([Cc]\)'  # 1: 'Copyright (C)', etc.
            '[Cc]opyright\s+%s'  # 1: 'Copyright (C)', etc.
            '[Cc]opyright\s+©'  # 1: 'Copyright (C)', etc.
            '[Cc]opyright\s+@copyright{}'  # 1: 'Copyright (C)', etc.
            'copyright = u"'  # 1: 'Copyright (C)', etc.
            '@set\s+copyright\w-']

        # 2: the years. Include the whitespace in the year, so that
        # we can remove any excess.
        '\s*\? + ranges + \s*.'
        '@value\{[^{}]*\}\s*')

        # 3: 'by ', if used
        '(by\s+)?'

        # 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(' + name + '(?:\s?' + name + '+)*)?')

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
    re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c|dnl')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ',', '
self.separator = ' '

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

    def parse_year (self, string):
        year = int (string)
        if len (string) == 2:
            if year > 70:
                return year + 1900
            elif len (string) == 4:
                return year
raise self.BadYear (string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                  for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value'):
        return years

    (min_year, max_year) = self.year_range(years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
pathname = os.path.join (dir, filename)

intro = match.group (1)
if intro.startswith ('@set'):
    # Texinfo year variables should always be on one line
    after_years = line[match.end (2):].strip()
    if after_years != '':
        self.errors.report (pathname,
            'trailing characters in @set: ' + after_years)
        return (False, orig_line, next_line)
else:
    # If it looks like the copyright is incomplete, add the next line.
    while not self.is_complete (match):
        try:
            next_line = file.next()
        except StopIteration:
            break

        # If the next line doesn't look like a proper continuation,
        # assume that what we've got is complete.
        continuation = self.strip_continuation (next_line)
        if not self.continuation_re.match (continuation):
            break

        # Merge the lines for matching purposes.
        orig_line += next_line
        line = line.rstrip() + ' ' + continuation
        next_line = None

        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match (line, match.start())
        assert match

        holder = match.group (4)

        # Use the filter to test cases where markup is getting in the way.
        if filter.by_package_author (dir, filename):
            assert holder not in self.holders

        elif not holder:
            self.errors.report (pathname, 'missing copyright holder')
            return (False, orig_line, next_line)

        elif holder not in self.holders:
            self.errors.report (pathname,
                'unrecognised copyright holder: ' + holder)
            return (False, orig_line, next_line)
else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + ('' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)'
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)'
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '

    return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
pass
return

lines = []
changed = False
line_filter = filter.get_line_filter(dir, filename)
mode = None
with open(pathname, 'r') as file:
    prev = None
    mode = os.fstat(file.fileno()).st_mode
    for line in file:
        next_line = None
        # Leave filtered-out lines alone.
        if not (line_filter and line_filter.match(line)):
            match = self.copyright_re.search(line)
            if match:
                res = self.update_copyright(dir, filename, filter,
                                             file, line, match)
                (this_changed, line, next_line) = res
                changed = changed or this_changed
        # Check for copyright lines that might have slipped by.
        elif self.other_copyright_re.search(line):
            self.errors.report(pathname,
                               'unrecognised copyright: %s'
                               % line.strip())
            lines.append(line)
        line = next_line

        # If something changed, write the new file out.
        if changed and self.errors.ok():
            tmp_pathname = pathname + '.tmp'
            with open(tmp_pathname, 'w') as file:
                for line in lines:
                    file.write(line)
                os.fchmod(file.fileno(), mode)
                if self.use_quilt:
                    subprocess.call(['quilt', 'add', pathname])
                os.rename(tmp_pathname, pathname)

    def process_tree(self, tree, filter):
        for (dir, subdirs, filenames) in os.walk(tree):
            # Don't recurse through directories that should be skipped.
            for i in xrange(len(subdirs) - 1, -1, -1):
                if filter.skip_dir(dir, subdirs[i]):
                    del subdirs[i]
# Handle the files in this directory.
for filename in filenames:
    if filter.skip_file (dir, filename):
        sys.stdout.write ('Skipping %s
            % os.path.join (dir, filename))
    else:
        self.process_file (dir, filename, filter)

class CmdLine:
    def __init__ (self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
            self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
            self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers [name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...
            Options:
        % sys.argv[0])
        format = '%-15s %s
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
        sys.stdout.write ('\nDirectories:
\n        format = '%-25s
        i = 0
        for (dir, filter) in self.dirs:
            i += 1
            if i % 3 == 0 or i == len (self.dirs):
                sys.stdout.write (dir + '\n')
            else:
                sys.stdout.write (format % dir)
        sys.exit (0)
def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[1:] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
                    if (dir + os.sep).startswith (canon_dir):
                        count += 1
                self.copyright.process_tree (dir, filter)
                if count == 0:
                    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
            sys.exit (0 if self.errors.ok() else 1)

#........................................................................

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
        with open (pathname) as file:
            # Skip files imported from gettext.
if file.readline().find('gettext-') >= 0:
    return True

return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set([
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

        self.fossilised_files |= set([
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.d',
            '.h',
            '.hs',
            '.f',
            '.f90',
        ])

        self.
def skip_file(self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
        return True
    # Similarly params/README.
    if filename == 'README' and os.path.basename(dir) == 'params':
        return True
    if filename == 'pdt_5.f03' and os.path.basename(dir) == 'gfortran.dg':
        return True
    return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(['
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        ])

class LibGCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set(['
            # Imported from GLIBC.
            'soft-fp',
        ])

class LibPhobosFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_files |= set(['
            # Source module imported from upstream.
            'object.d',
        ])

        self.skip_dirs |= set(['
            # Source module imported from upstream.
            'object.d',
        ])
# Contains sources imported from upstream.
'core',
'etc',
'ge',
'gcstub',
'rt',
'std',

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (['
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        ']

        self.skip_dirs |= set (['
            # Contains automatically-generated sources.
            'html,'
            # The testsuite data files shouldn't be changed.
            'data',
            # Contains imported images
            'images',
        ']

        self.own_files |= set (['
            # Contains markup around the copyright owner.
            'spine.xml',
        ']

        def get_line_filter (self, dir, filename):
            if filename == 'boost_concept_check.h':
                return re.compile ('// \(C\) Copyright Jeremy Siek')
            return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

        self.add_package_author ('Free Software Foundation', canon_fsf)
        self.add_package_author ('Free Software Foundation.', canon_fsf)
        self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')

        self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('The Free Software Foundation', canon_fsf)
        self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author ('Software Foundation, Inc.', canon_fsf)

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL')
        self.add_external_author ('Cavium Networks.')
        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')
        self.add_external_author ('Gerard Jungman')
        self.add_external_author ('Greg Colvin and Beman Dawes.')
        self.add_external_author ('Hewlett-Packard Company')
        self.add_external_author ('Intel Corporation')
        self.add_external_author ('Information Technology Industry Council.')
        self.add_external_author ('James Theiler, Brian Gough')
        self.add_external_author ('Makoto Matsumoto and Takuji Nishimura')
        self.add_external_author ('National Research Council of Canada')
        self.add_external_author ('NVIDIA Corporation')
        self.add_external_author ('Peter Dimov and Multi Media Ltd.')
        self.add_external_author ('Peter Dimov')
        self.add_external_author ('Pipeline Associates, Inc.')
        self.add_external_author ('Regents of the University of California.')
        self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
        self.add_external_author ('Silicon Graphics')
        self.add_external_author ('Stephen L. Moshier')
        self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
        self.add_external_author ('The D Language Foundation, All Rights Reserved')
        self.add_external_author ('The Go Authors. All rights reserved.')
        self.add_external_author ('The Go Authors. All rights reserved.')
        self.add_external_author ('The Regents of the University of California.')
        self.add_external_author ('Unicode, Inc.')
        self.add_external_author ('University of Toronto.')
self.add_dir('gotools')

self.add_dir('include')

# intl is imported from upstream.
self.add_dir('libada')
self.add_dir('libatomic')

self.add_dir('libbacktrace')
self.add_dir('libcc1')

self.add_dir('libcpp', LibCppFilter())
self.add_dir('libdecnumber')

# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libgfortran')

# libgo is imported from upstream.
self.add_dir('libgomp')
self.add_dir('libhsail-rt')
self.add_dir('libiberty')
self.add_dir('libitm')
self.add_dir('libobjc')

# liboffloadmic is imported from upstream.
self.add_dir('libphobos', LibPhobosFilter())
self.add_dir('libquadmath')

# libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')
self.add_dir('lto-plugin')

# maintainer-scripts maintainer-scripts

self.add_dir('lto-plugin')

# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
    'libobjc',
    'libphobos',
    'libssp',
    'libstdc++-v3',
]
GCCCmdLine().main()

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Version 3, 29 June 2007

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/* Definitions for BSD assembler syntax for Intel 386
   (actually AT&T syntax for insns and operands,
   adapted to BSD conventions for symbol names and debugging.)
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<http://www.gnu.org/licenses/>. */

/* Use the Sequent Symmetry assembler syntax. */
/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.'s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */
#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */
#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) /*

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */
#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */
#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
( fputs (".comm ", (FILE)),\ 
assemble_name ((FILE), (NAME)),\ 
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */
#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
( fputs (".lcomm ", (FILE)),\ 
assemble_name ((FILE), (NAME)),\ 
fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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Version 3, 29 June 2007

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--------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbzzip2 version 1.0.6 of 6 September 2010

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Version 3, 29 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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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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- 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.

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

@end enumerate

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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

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

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification
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@end enumerate

@end section

@end section

@heading END OF TERMS AND CONDITIONS

@heading 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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If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:
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changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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

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

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

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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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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* M. Welsh, 6 July 1996
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Contributors
==============

.. note::

This documentation is outdated. There are several other DVB contributors that aren't listed below.

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- for the nxt2004 frontend driver

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(If you think you should be in this list, but you are not, drop a
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           || strcmp(license, "GPL v2") == 0
           || strcmp(license, "GPL and additional rights") == 0
           || strcmp(license, "Dual BSD/GPL") == 0
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Java compilation software for JSP pages is provided by the Eclipse JDT Core Batch Compiler component, which is open source software. The original software and related information is available at https://www.eclipse.org/jdt/core/.

org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar for JSON written by Robert Fischer. https://github.com/RobertFischer/json-parser

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The original XML Schemas for Java EE Deployment Descriptors:
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- javaee_web_services_1_2.xsd
- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- javaee_8.xsd
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**1.2513 epel-release 7 9**

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1.2514 iconv 2.25

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

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- web-app_3_0.xsd
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From: Michael Biebl <biebl@debian.org>
Date: Sun, 17 Dec 2017 00:31:20 +0100
Subject: Revert "udev-rules: Permission changes for /dev/dri/renderD**"

This would introduce a new system group "render". As the name is rather
generic, this needs further discussion first, so revert this change for
now.

This reverts commit 4e15a7343cb389e97f3eb4f49699161862d8b8b2.

---
meson.build          | 2 --
meson_options.txt   | 2 --
rules/50-udev-default.rules.in | 5 +----
src/login/70-uaccess.rules | 2 +-.
4 files changed, 2 insertions(+), 9 deletions(-)

diff --git a/meson.build b/meson.build
index c734561..b9e59ec 100644
--- a/meson.build
+++ b/meson.build
@@ -753,7 +753,6 @@ if get_option('wheel-group')
    substs.set('DEV_KVM_MODE', get_option('dev-kvm-mode'))
    -substs.set('GROUP_RENDER_MODE', get_option('group-render-mode'))

kill_user_processes = get_option('default-kill-user-processes')
conf.set10('KILL_USER_PROCESSES', kill_user_processes)
@@ -2741,7 +2740,6 @@ status = [
    'minimum container UID base:        @0@'.format(container_uid_base_min),
    'maximum container UID base:        @0@'.format(container_uid_base_max),
    '/dev/kvm access mode:              @0@'.format(get_option('dev-kvm-mode'))),
    -    'render group access mode:          @0@'.format(get_option('group-render-mode'))),
    'certificate root directory:        @0@'.format(get_option('certificate-root'))),
    'support URL:                       @0@'.format(support_url),
    'nobody user name:                  @0@'.format(nobody_user),

diff --git a/meson_options.txt b/meson_options.txt
index 39822d6..b1d035f 100644
--- a/meson_options.txt
+++ b/meson_options.txt
@@ -177,8 +177,6 @@ option('nobody-group', type : 'string',
    value : 'nobody')
    option('dev-kvm-mode', type : 'string', value : '0666',
        description : '/dev/kvm access mode')
    -option('group-render-mode', type : 'string', value : '0666',
        -description : 'Access mode for devices owned by render group (e.g. /dev/dri/renderD*, /dev/kfd).')
    option('default-kill-user-processes', type : 'boolean',


description : 'the default value for KillUserProcesses= setting')
option('gshadow', type : 'boolean',
diff --git a/rules/50-udev-default.rules.in b/rules/50-udev-default.rules.in
index bd4c215..549a4f0 100644
--- a/rules/50-udev-default.rules.in
+++ b/rules/50-udev-default.rules.in
@@ -31,14 +31,11 @@ SUBSYSTEM=="input", KERNEL=="js[0-9]*", MODE="0664"
 SUBSYSTEM=="video4linux", GROUP="video"
 SUBSYSTEM=="graphics", GROUP="video"
-SUBSYSTEM=="drm", KERNEL!="renderD*", GROUP="video"
+SUBSYSTEM=="drm", GROUP="video"
 SUBSYSTEM=="dvb", GROUP="video"
 SUBSYSTEM=="media", GROUP="video"
 SUBSYSTEM=="cec", GROUP="video"

-SUBSYSTEM=="drm", KERNEL=="renderD*", GROUP="render", MODE="@GROUP_RENDER_MODE@"
-SUBSYSTEM=="kfd", GROUP="render", MODE="@GROUP_RENDER_MODE@"
-
 SUBSYSTEM=="sound", GROUP="audio", \
 OPTIONS+="static_node=snd/seq", OPTIONS+="static_node=snd/timer"

diff --git a/src/login/70-uaccess.rules b/src/login/70-uaccess.rules
index f2c838f..f3a2e66 100644
--- a/src/login/70-uaccess.rules
+++ b/src/login/70-uaccess.rules
@@ -45,7 +45,7 @@ SUBSYSTEM=="firewire", ATTR{units}=="*0x00a02d:0x010001*", TAG+="uaccess"
 SUBSYSTEM=="firewire", ATTR{units}=="*0x00a02d:0x014001*", TAG+="uaccess"

 # DRI video devices
-SUBSYSTEM=="drm", KERNEL=="card*", TAG+="uaccess"
+SUBSYSTEM=="drm", KERNEL=="card*renderD*", TAG+="uaccess"

 # smart-card readers
ENV{ID_SMARTCARD_READER}=="??", TAG+="uaccess"
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: systemd
Upstream-Contact: systemd-devel@lists.freedesktop.org
Source: https://www.freedesktop.org/wiki/Software/systemd/

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1.2522 dev86 0.16.21 r0
1.2522.1 Available under license:

Top of the list, without whom this wouldn't be here...

Bruce Evans<bde@FreeBSD.org>

Then there's me, I'm controlling the releases of Dev86 and have
the master files.

Robert de Bath<robert$@mayday.cix.co.uk>

The files are available at linux.mit.edu with the source and yesterday's patch file available via http://cix.co.uk/~mayday/

We're all available through the Linux-8086 mailing list at: linux-8086@vger.kernel.org

Rob.

Finally the list itself, if you're missing send me a patch :-)

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

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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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FlashPoint Driver Developer's Kit
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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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  *
  * M. Welsh, 6 July 1996
  *
  *
  */

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1.2535 netty-codec 4.1.22

1.2536 python-ldap 3.0.0 1

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1.2537 jackson-datatype-jsr310 2.9.0

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## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.
We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

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The Red Hat developers, without whom CentOS would look very different

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Developed by:

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University of Illinois at Urbana-Champaign

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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_overide</td>
</tr>
</tbody>
</table>

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<html xmlns="http://www.w3.org/1999/xhtml">
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<title>License</title>
<meta name="generator" content="DocBook XSL Stylesheets Vsnapshot" />
<meta name="keywords" content="ISO C++, library" />
<meta name="keywords" content="ISO C++, runtime, library" />
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<meta rel="up" href="/status.html" title="Chapter1.Status" />
<meta rel="next" href="/bugs.html" title="Bugs" />
</head>
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<table width="100%"
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</td>
</tr>
</table>
</body>
</html>
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#
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# any later version.
#
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# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#

# update-copyright.py --this-year

# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# # update-copyright.py --this-year libitm
#
# # would run the script on just libitm/.
#
# # Note that things like --version output strings must be updated before
# # this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__ (self):
        self.num_errors = 0

def report (self, filename, string):
    if filename:
        string = filename + ':' + string
    sys.stderr.write (string + '
')
    self.num_errors += 1

def ok (self):
    return self.num_errors == 0

class GenericFilter:
    def __init__ (self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set (['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'idl.texi',

    # Update copyright notices for this year.
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')

    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:

return True

if extension == '.in':
    # Skip .in files produced by automake.
    if os.path.exists (base + '.am'):
        return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True

    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9]+[0-9]+[0-9]+
        range = '[0-9]+[0-9]+[0-9]+[0-9]+[0-9]+'

        # Non-whitespace characters in a copyright holder's name.
        name = '[\w.-]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')
# Matches part of a year or copyright holder.
self.continuation_re = re.compile (ranges + '|'+ name)

# Matches a full copyright notice:
self.copyright_re = re.compile (  
    # 1: 'Copyright (C)', etc.
    '(\(C\)opyright'
    '||(C)opyright\s+\[(C)\]')
    '[(C)opyright\s+%s'
    '||(C)opyright\s+&copy;'
    '||(C)opyright\s+@copyright[ ]'
    '[copyright = u"'
    '[@set\s+copyright[\w-]+]')

# 2: the years. Include the whitespace in the year, so that we can remove any excess.
'(\s*\(?:' + ranges + '.?'
'[@value\(\[^{}]*\))]s*)'

# 3: 'by ', if used
'(by\s+)?'

# 4: the copyright holder. Don't allow multiple consecutive 
# spaces, so that right-margin gloss doesn't get caught 
# (e.g. gnat_ugn.texi).
'(\s* name + (?:\s?' + name + '+)*)?

# A regexp for notices that might have slipped by. Just matching # 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of 
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]', re.IGNORECASE)

self.comment_re = re.compile('#+|[@*]+|;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ' ', '.'
self.separator = ' '

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
self.holders[holder] = canon_form
index = holder.find ('')
while index >= 0:
    self.holder_prefixes.add (holder[:index])
    index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear():
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year

def parse_year (self, string):
    year = int (string)
    if len (string) == 2:
        if year > 70:
            return year + 1900
        elif len (string) == 4:
            return year
        raise self.BadYear (string)

def year_range (self, years):
    year_list = [self.parse_year (year)
                 for year in self.year_re.findall (years)]
    assert len (year_list) > 0
    return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
    self.use_quilt = use_quilt

def include_year (self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value'):
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)
# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
    return (holder
            and (holder not in self.holder_prefixes
                 or holder in self.holders))

def update_copyright(self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join(dir, filename)

    intro = match.group(1)
    if intro.startswith('@set'):
        # Texinfo year variables should always be on one line
        after_years = line[match.end(2):].strip()
        if after_years != ':
            self.errors.report(pathname,
                               'trailing characters in @set: ' + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete(match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
            # If the next line doesn’t look like a proper continuation,
            # assume that what we’ve got is complete.
            continuation = self.strip_continuation(next_line)
            if not self.continuation_re.match(continuation):
                break
# Merge the lines for matching purposes.
orig_line += next_line
line = line.rstrip() + ' ' + continuation
next_line = None

# Rematch with the longer line, at the original position.
match = self.copyright_re.match (line, match.start())
assert match

holder = match.group (4)

# Use the filter to test cases where markup is getting in the way.
if filter.by_package_author (dir, filename):
    assert holder not in self.holders

elif not holder:
    self.errors.report (pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
             + canon_form
             + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)
    line = (line[:match.start (2)]
             + canon_form
             + line[match.end (2):])
+ ('' if intro.startswith ('copyright = ') else ' ')
+ canon_form + self.separator
+ line[match.end (2):])
# Use the standard (C) form.
if intro.endswith ('right'):
intro += ' (C)'
elif intro.endswith ('(c)'):
intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]
# Strip trailing whitespace
line = line.rstrip() + '\n'
return (line != orig_line, line, next_line)
def process_file (self, dir, filename, filter):
pathname = os.path.join (dir, filename)
if filename.endswith ('.tmp'):
# Looks like something we tried to create before.
try:
os.remove (pathname)
except OSError:
pass
return
lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
mode = None
with open (pathname, 'r') as file:
prev = None
mode = os.fstat (file.fileno()).st_mode
for line in file:
while line:
next_line = None
# Leave filtered-out lines alone.
if not (line_filter and line_filter.match (line)):
match = self.copyright_re.search (line)
if match:
res = self.update_copyright (dir, filename, filter,
file, line, match)
(this_changed, line, next_line) = res
changed = changed or this_changed
# Check for copyright lines that might have slipped by.
elif self.other_copyright_re.search (line):
self.errors.report (pathname,

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'unrecognised copyright: %s'
% line.strip())
lines.append (line)
line = next_line
# If something changed, write the new file out.
if changed and self.errors.ok():
tmp_pathname = pathname + '.tmp'
with open (tmp_pathname, 'w') as file:
for line in lines:
file.write (line)
os.fchmod (file.fileno(), mode)
if self.use_quilt:
subprocess.call (['quilt', 'add', pathname])
os.rename (tmp_pathname, pathname)
def process_tree (self, tree, filter):
for (dir, subdirs, filenames) in os.walk (tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
if filter.skip_dir (dir, subdirs[i]):
del subdirs[i]
# Handle the files in this directory.
for filename in filenames:
if filter.skip_file (dir, filename):
sys.stdout.write ('Skipping %s\n'
% os.path.join (dir, filename))
else:
self.process_file (dir, filename, filter)
class CmdLine:
def __init__ (self, copyright = Copyright):
self.errors = Errors()
self.copyright = copyright (self.errors)
self.dirs = []
self.default_dirs = []
self.chosen_dirs = []
self.option_handlers = dict()
self.option_help = []
self.add_option ('--help', 'Print this help', self.o_help)
self.add_option ('--quilt', '"quilt add" files before changing them',
self.o_quilt)
self.add_option ('--this-year', 'Add the current year to every notice',
self.o_this_year)
def add_option (self, name, help, handler):

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def add_dir (self, dir, filter = GenericFilter()):
    self.dirs.append ((dir, filter))

def o_help (self, option = None):
    sys.stdout.write ('Usage: %s [options] dir1 dir2...

    Options:
' % sys.argv[0])
    format = '%-15s %s
'
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
')
    format = '%-25s'
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '
')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[0] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
        if len (self.chosen_dirs) == 0:
            self.o_help()
        else:
            for chosen_dir in self.chosen_dirs:
                canon_dir = os.path.join (chosen_dir, '')
                count = 0
                for (dir, filter) in self.dirs:
if (dir + os.sep).startswith (canon_dir):
    count += 1
    self.copyright.process_tree (dir, filter)
if count == 0:
    self.errors.report (None, 'unrecognised directory: ' + chosen_dir)
    sys.exit (0 if self.errors.ok() else 1)

#--------------------------------------------------------------------------------
class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True

class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
                return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set ([
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set ([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

        self.skip_extensions |= set ([
            # Maintained by the translation project.
            '.po',
        ])

self.fossilised_files |= set([
    # Old news won't be updated.
    'ONEWS',
])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
            '.d',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
            ])

    def skip_file(self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
            return True
        # Similarly params/README.
        if filename == 'README' and os.path.basename(dir) == 'params':
            return True
        if filename == 'pdt_5.f03' and os.path.basename(dir) == 'gfortran.dg':
            return True
        return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',
        ])

        # Automatically-generated.
        '.pot',
])

    class TestsuiteFilter(GenericFilter):
        def __init__(self):
            GenericFilter.__init__(self)

            self.skip_extensions |= set([
                # Don't change the tests, which could be woend by anyone.
                '.c',
                '.C',
                '.cc',
                '.d',
                '.h',
                '.hs',
                '.f',
                '.f90',
                '.go',
                '.inc',
                '.java',
            ])

            def skip_file(self, dir, filename):
                # g++.niklas/README contains historical copyright information
                # and isn't updated.
                if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
                    return True
                # Similarly params/README.
                if filename == 'README' and os.path.basename(dir) == 'params':
                    return True
                if filename == 'pdt_5.f03' and os.path.basename(dir) == 'gfortran.dg':
                    return True
                return GenericFilter.skip_file(self, dir, filename)
class LibGCCFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_dirs |= set (
            # Imported from GLIBC.
            # 'soft-fp',
            [])

class LibPhobosFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Source module imported from upstream.
            # 'object.d',
            [])

        self.skip_dirs |= set (
            # Contains sources imported from upstream.
            # 'core',
            # 'etc',
            # 'gc',
            # 'gcstub',
            # 'rt',
            # 'std',
            [])

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Contains no copyright of its own, but quotes the GPL.
            # 'intro.xml',
            [])

        self.skip_dirs |= set (
            # Contains automatically-generated sources.
            # 'html',

            # 'data',

            # The testsuite data files shouldn't be changed.
            [])
# Contains imported images
'images',
})

self.own_files |= set([
    # Contains markup around the copyright owner.
    'spine.xml',
])

def get_line_filter (self, dir, filename):
    if filename == 'boost_concept_check.h':
        return re.compile ('// (C) Copyright Jeremy Siek')
    return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author ('Free Software Foundation', canon_fsf)
self.add_package_author ('Free Software Foundation.', canon_fsf)
self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('The Free Software Foundation', canon_fsf)
self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('Software Foundation, Inc.', canon_fsf)

self.add_external_author ('ARM')
self.add_external_author ('AdaCore')
self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
self.add_external_author ('Cavium Networks.')
self.add_external_author ('Faraday Technology Corp.')
self.add_external_author ('Florida State University')
self.add_external_author ('Gerard Jungman')
self.add_external_author ('Greg Colvin and Beman Dawes.')
self.add_external_author ('Hewlett-Packard Company')
self.add_external_author ('Intel Corporation')
self.add_external_author ('Information Technology Industry Council')
self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author ('National Research Council of Canada.')
self.add_external_author ('NVIDIA Corporation')
self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California.')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
class GCCCmdLine (CmdLine):
    def __init__ (self):
        CmdLine.__init__ (self, GCCCopyright)

        self.add_dir ('.', TopLevelFilter())
        # boehm-gc is imported from upstream.
        self.add_dir ('config', ConfigFilter())
        # contrib isn't really part of GCC.
        self.add_dir ('fixincludes')
        self.add_dir ('gcc', GCCFilter())
        self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
        self.add_dir ('gnattools')
        self.add_dir ('gotools')
        self.add_dir ('include')
        # intl is imported from upstream.
        self.add_dir ('libada')
        self.add_dir ('libatomic')
        self.add_dir ('libbacktrace')
        self.add_dir ('libc1')
        self.add_dir ('libcpp', LibCppFilter())
        self.add_dir ('libdecmumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        # libgo is imported from upstream.
        self.add_dir ('libgomp')
        self.add_dir ('libhsail-rt')
        self.add_dir ('libiberty')
        self.add_dir ('libitm')
        self.add_dir ('libobjc')
        # liboffloadmic is imported from upstream.
        self.add_dir ('libphobos', LibPhobosFilter())
        self.add_dir ('libquadmath')
        # libsanitizer is imported from upstream.
        self.add_dir ('libssp')
        self.add_dir ('libstdc++-v3', LibStdCxxFilter())
        self.add_dir ('libvtv')
self.add_dir ('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
    'libobjc',
    'libphobos',
    'libssp',
    'libstdc++-v3',
    'libvtr',
    'lto-plugin',
]

GCCCmdLine().main()

" Automatically generated by Pod::Man 4.11 (Pod::Simple 3.35)

" Standard preamble:

" Set up some character translations and predefined strings.  
" (-- will give an unbreakable dash,  
"(PI will give pi, (L" will give a left double quote, and (R" will give a right double quote.  
"(C+ will
\" give a nicer C++. Capital omega is used to do unbreakable dashes and
\" therefore won't be available. \*(C' and \*(C expand to ``` in nroff,
\" nothing in troff, for use with C<>.
tr \(*W-
ds C+ Ci\'\v-\'1v\h\'\-1p\"a\-2+\h\'\-1p\"+\$0\v\'1v\h\'\-1p'
ie n } |
. ds -- \(*W-
. ds PI pi
if (\n(H=4u)&(1m=24u) ds -- \(*W\h\'\-12u\"(*W\h\'\-12u\h\'\-8u\v\'\-1p'
. ds L\" "'
. ds R\" "'
. ds C" "'
. ds C" "'
br\}
ei}{
ds -- \(em\\)
. ds PI \"p
. ds L" "'
. ds R" "'
. ds C" 
. ds C"
br\}
\" Escape single quotes in literal strings from groff's Unicode transform.
ie \n(g .ds Aq \aq
el .ds Aq \\
\" If the F register is >0, we'll generate index entries on stderr for
\" titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
\" entries marked with X<> in POD. Of course, you'll have to process the
\" output yourself in some meaningful fashion.
\" Avoid warning from groff about undefined register 'F'.
de IX
..nr rF 0
.if \n(g .if rF .nr rF 1
.if (\n(rF:(\n(g==0)) \{| 
. if \nF \{
. de IX 
. tm Index:\$1\n\n%\t\$2" 
.. 
. if !\nF==2 \{| 
. nr % 0 
. nr F 2 
. } 
. }
Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

Fear. Run. Save yourself. No user-serviceable parts.

- ' fudge factors for nroff and troff

```
if n \{
  ds #H 0
  ds #V .8m
  ds #F .3m
  ds # [ M1
  ds #] MP
\}

if t \{
  ds #H ((1u-(\\n(.fu%2u))*.13m)
  ds #V .6m
  ds #F 0
  ds # [ &
  ds #] &
\}
```

- ' simple accents for nroff and troff

```
if n \{
  ds ' &
  ds ` &
  ds ^ &
  ds , &
  ds ~ ~
  ds /
\}
```

- ' troff and (daisy-wheel) nroff accents

```
  ds : \k:h`-(\n.(w/u+8/10-*(#H)\v'-\n(u:u"
  ds ` \k:h`-(\n.(w/u+8/10-*(#H)\v']\n(u:u'
  ds ^ \k:h`-(\n.(w/u+10/11-*(#H)\v'h]\n(u:u'
  ds , \k:h`-(\n.(w/u+8/10)'\h]\n(u:u'
  ds ~ \k:h`-(\n.(w/u-*(#H-1)m)'~\h]\n(u:u'
  ds / \k:h`-(\n.(w/u+8/10-*(#H]'z(s\h]\n(u:u'
\}
```

- ' corrections for vroff

```
  ds : \k:h`-(\n.(w/u+8/10-*(#H+1m+*(#F)'\v'-\n(u:u'
  ds 8 \h'-(\n.(w/u+*(#H'\v'-\n(u:u'
  ds o \k:h`-(\n.(w/u+w\l(de\v'+(*#H)/2u\v'-3n\v'+(*#lz)(de\v'.3n\h]\n(u:u'+(*#]
  ds d- \h'-(#H)(pd\h'-(\n.(wTu*2/3)\v'-25m\v'hy\v'.25m\h'-\n(u:u'
  ds D- \k:h`-(w'D\v'-11m\v'hy'.'11m\h]\n(u:u'
  ds th v'-(#v'.3m\v'+1Px-1v'-3m\h'-\wATu*2/3)\v'-\s-1o\s+1v'\n(u:u'+(*#]
  ds Th v'-(#s+2Ps-2h'-\wTu*3/5\v'-3m\o\v'.3m\v'+(*#]
  ds ae a\h`-(w'Au*4/10)\v'
  ds Ae A\h`-(w'Au*4/10)\v'
\}
```

- ' corrections for troff

```
  ds : \k:h`-(\n.(w/u+8/10-*(#H+1m+*(#F)'\v'-\n(u:u'
  ds 8 \h'-(\n.(w/u+*(#H'\v'-\n(u:u'
  ds o \k:h`-(\n.(w/u+w\l(de\v'+(*#H)/2u\v'-3n\v'+(*#lz)(de\v'.3n\h]\n(u:u'+(*#]
  ds d- \h'-(#H)(pd\h'-(\n.(wTu*2/3)\v'-25m\v'hy\v'.25m\h'-\n(u:u'
  ds D- \k:h`-(w'D\v'-11m\v'hy'.'11m\h]\n(u:u'
  ds th v'-(#v'.3m\v'+1Px-1v'-3m\h'-\wATu*2/3)\v'-\s-1o\s+1v'\n(u:u'+(*#]
  ds Th v'-(#s+2Ps-2h'-\wTu*3/5\v'-3m\o\v'.3m\v'+(*#]
  ds ae a\h`-(w'Au*4/10)\v'
  ds Ae A\h`-(w'Au*4/10)\v'
\}
```

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IX Title "GPL 7"
.TH GPL 7 "2019-05-03" "gcc-9.1.0" "GNU"
" For nroff, turn off justification. Always turn off hyphenation; it makes
" way too many mistakes in technical documents.
.if n .ad 1
.nh
.SH "NAME"
gpl GNU General Public License
.SH "DESCRIPTION"
.IX Header "DESCRIPTION"
.SS "\$-IGNUS0 General Public License"
.IX Subsection "GNU General Public License"
.SS "Version 3, 29 June 2007"
.IX Subsection "Version 3, 29 June 2007"
.Vb 1
& Copyright (c) 2007 Free Software Foundation, Inc. <http://fsf.org/>
&
& Everyone is permitted to copy and distribute verbatim copies of this
& license document, but changing it is not allowed.
&
.Ve
.SS "Preamble"
.IX Subsection "Preamble"
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/* Definitions for BSD assembler syntax for Intel 386 (actually AT&T syntax for insns and operands, adapted to BSD conventions for symbol names and debugging.)
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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.'s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */
#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t"  /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */
/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */
#define ASM_OUTPUT_SKIP(FILE,SIZE)  
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"u", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */
/* This says how to output an assembler line to define a global common symbol. */
#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
( fputs (".comm ", (FILE)),
  assemble_name ((FILE), (NAME)),
  fprintf ((FILE), ",%u
", (int)(ROUNDED)))

/* Define the syntax of labels and symbol definitions/declarations. */
/* This says how to output an assembler line to define a local common symbol. */
#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
( fputs (".lcomm ", (FILE)),
  assemble_name ((FILE), (NAME)),
  fprintf ((FILE), ",%u
", (int)(ROUNDED)))

#define HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
( fputs (".lcomm ", (FILE)),
  assemble_name ((FILE), (NAME)),
  fprintf ((FILE), ",%u,%u
", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This says how to output an assembler line that says to advance the location counter to a multiple of 2**LOG bytes. */
#define ASM_OUTPUT_ALIGN(FILE,LOG)  
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))
/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don’t split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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

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

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```
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```

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```
```

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@item
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@end example

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

@example
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This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}. This is free software, and you are welcome to redistribute it under certain conditions; type @samp{show c} for details.
@end example

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@c man end

1.2564 netty-tcnative-boringssl-static 2.0.25

1.2565 vim 7.4.160 1.el7_3.1

1.2565.1 Available under license:

*uganda.txt* For Vim version 7.4. Last change: 2013 Jul 06

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SUMMARY

*iccf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see [kcc] below 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 features. See [sponsor]. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

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If the number of changes is small (e.g., a modified Makefile) e-mailing a
context diff will do. The e-mail address to be used is
<maintainer@vim.org>

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with, at your option.

=== 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. Further more, 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  
Finsterruethof 1  
8134 Adliswil  
Switzerland  

This address is expected to be valid for a long time.  

vim:tw=78:ts=8:ft=help:norl:
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2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE  
Voice phone: (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F  
" Vim syntax file  
" Language:Software Distributor product specification file  

Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.023975
"(POSIX 1387.2-1995).
" Maintainer: Rex Barzee <rex_barzee@hp.com>
" Last change: 25 Apr 2001

if version < 600
" Remove any old syntax stuff hanging around
syn clear
elseif exists("b:current_syntax")
finish
endif

" Product specification files are case sensitive
syn case match

syn keyword psfObject bundle category control_file depot distribution
syn keyword psfObject end file fileset host installed_software media
syn keyword psfObject product root subproduct vendor

syn match  psfUnquotString +[^" # ][^#]+*+ contained
syn region psfQuotString start="" skip="" end=""+ contained

syn match  psfObjTag    "\[-_+A-Z0-9a-z]+(\.[-_+A-Z0-9a-z]+)+" contained
syn match  psfAttAbbrev "\(\fa|fr|aclqrv\)\(\<|\>|\<=|\>=|\=|\==\)\[^,\]+" contained
syn match  psfObjTags    "\[-_+A-Z0-9a-z]+\(\.[-_+A-Z0-9a-z]+\)+\(\s+\[-_+A-Z0-9a-

"Some of the attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
" create_date description directory file_permissions install_source
" install_type location machine_type mod_date number os_name os_release
" os_version pose_as_os_name pose_as_os_release readme revision
" share_link title vendor_tag
syn region psfAttUnquotString matchgroup=psfAttrib start=-~s*[^# ]+\.ls\^[^# ]-rs=e-1 contains=psfUnquotString,psfComment end=-~ keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=-~s*[^# ]+\.ls\^[^" ]-rs=e-1 contains=psfQuotString,psfComment skip=-\"- matchgroup=psfQuotString end=-" keepend

Open Source Used In Crosswork Change Automation and Health Insights cw-na-cahi-3.1.023976
"These regions are defined in attempt to do syntax checking for some
"of the attributes.

syn region psfAttTag matchgroup=psfAttrib start="^\s*tag\s\+" contains=psfObjTag,psfComment end="$" keepend oneline

syn region psfAttSpec matchgroup=psfAttrib
start="^\s*\(ancestor\|applied_patches\|applied_to\|contents\|corequisites\|exrequisites\|prerequisites\|software_spec\|
 supersedes\|superseded_by\)\s\+" contains=psfObjTag,psfAttAbbrev,psfComment end="$" keepend

syn region psfAttTags matchgroup=psfAttrib start="^\s*all_filesets\s\+" contains=psfObjTags,psfComment end="$" keepend

syn region psfAttNumber matchgroup=psfAttrib
start="^\s*\(compressed_size\|instance_id\|media_sequence_number\|sequence_number\|size\)\s\+" contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttTime matchgroup=psfAttrib start="^\s*\(create_time\|ctime\|mod_time\|mtime\|timestamp\)\s\+" contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="^\s*\(data_model_revision\|layout_version\)\s\+" contains=psfFloat,psfComment end="$" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\+" contains=psfLongDate,psfComment end="$" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="^\s*\(state\)\s\+" contains=psfState,psfComment end="$" keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="^\s*\(patch_state\)\s\+" contains=psfPState,psfComment end="$" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib
start="^\s*\(is_kernel\|is_locatable\|is_patch\|is_protected\|is_reboot\|is_reference\|is_secure\|is_sparse\)\s\+" contains=psfBoolean,psfComment end="$" keepend oneline

syn match  psfComment ".+$"

"Define the default highlighting.
"For version 5.7 and earlier: only when not done already
"For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
  if version < 508
    let did_psf_syntax_inits = 1
    command -nargs=+ HiLink hi link <args>
  else

command -nargs=+ HiLink hi def link <args>
endif

HiLink psfObject Statement
HiLink psfAttrib Type
HiLink psfQuotString String
HiLink psfObjTag Identifier
HiLink psfAttAbbrev PreProc
HiLink psfObjTags Identifier

HiLink psfComment Comment
delcommand HiLink
endif

" Long descriptions and copyrights confuse the syntax highlighting, so
" force vim to backup at least 100 lines before the top visible line
" looking for a sync location.
syn sync lines=100

let b:current_syntax = "psf"

1.2566 go-codec 1.5.2 0.7.git269f928.el7

1.2566.1 Available under license :
    The MIT License (MIT)

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1.2567 shared-mime-info 1.9 2

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1.2569 spring-data-rest-webmvc 3.1.6

1.2570 tar 1.29b-2ubuntu0.1
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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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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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with the Library, with the complete machine-readable "work that
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to use the modified definitions.)

b) Accompany the work with a written offer, valid for at
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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
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<signature of Ty Coon>, 1 April 1990
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1.2573 jackson 2.9.9
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### 1.2574 swagger 1.5.13

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```java
package io.swagger.models;

import com.fasterxml.jackson.annotation.JsonAnyGetter;
import com.fasterxml.jackson.annotation.JsonAnySetter;
import java.util.LinkedHashMap;
```
import java.util.Map;

public class License {
    private Map<String, Object> vendorExtensions = new LinkedHashMap<String, Object>();
    private String name;
    private String url;

    public License name(String name) {
        setName(name);
        return this;
    }

    public License url(String url) {
        setUrl(url);
        return this;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getUrl() {
        return url;
    }

    public void setUrl(String url) {
        this.url = url;
    }

    @JsonAnyGetter
    public Map<String, Object> getVendorExtensions() {
        return vendorExtensions;
    }

    @JsonAnySetter
    public void setVendorExtension(String name, Object value) {
        if (name.startsWith("x-")) {
            vendorExtensions.put(name, value);
        }
    }

    public void setVendorExtensions(Map<String, Object> vendorExtensions) {
        this.vendorExtensions = vendorExtensions;
    }
}
@Override
public int hashCode() {
    final int prime = 31;
    int result = 1;
    result = prime * result + ((name == null) ? 0 : name.hashCode());
    result = prime * result + ((url == null) ? 0 : url.hashCode());
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    License other = (License) obj;
    if (name == null) {
        if (other.name != null) {
            return false;
        }
    } else if (!name.equals(other.name)) {
        return false;
    }
    if (url == null) {
        if (other.url != null) {
            return false;
        }
    } else if (!url.equals(other.url)) {
        return false;
    }
    return true;
}
/**
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*/

package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 *
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 *
 * @return an optional URL for the license.
 */
String url() default "";
}

1.2575 wget 1.20.3 r0
1.2575.1 Available under license:
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Version 3, 29 June 2007

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

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* 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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            || strcmp(license, "GPL v2") == 0
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            || strcmp(license, "Dual BSD/GPL") == 0
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.. note::

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- Kirk Lapray <kirk.lapray@gmail.com>

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1.2601 spring-jdbc 5.1.6

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     */

package org.springframework.jdbc;
import java.sql.SQLException;
import org.springframework.dao.InvalidDataAccessResourceUsageException;

/**
 * Exception thrown when SQL specified is invalid. Such exceptions always have
 * a { @code java.sql.SQLException} root cause.
 * <p>It would be possible to have subclasses for no such table, no such column etc.
 * A custom SQLExceptionTranslator could create such more specific exceptions,
 * without affecting code using this class.
 * @author Rod Johnson
 * @see InvalidResultSetAccessException
 */
@SuppressWarnings("serial")
public class BadSqlGrammarException extends InvalidDataAccessResourceUsageException {

private final String sql:
/**
* Constructor for BadSqlGrammarException.
* @param task name of current task
* @param sql the offending SQL statement
* @param ex the root cause
*/
public BadSqlGrammarException(String task, String sql, SQLException ex) {
super(task + "; bad SQL grammar [" + sql + "]", ex);
this.sql = sql;
}

/**
* Return the wrapped SQLException.
*/
public SQLException getSQLException() {
return (SQLException) getCause();
}
/**
* Return the SQL that caused the problem.
*/
public String getSql() {
return this.sql;
}
}
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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.

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

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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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1.2603 fsnotify 1.5.2 0.7.git269f928.el7

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1.2604 pac4j oidc 2.1.0

1.2605 jline 2.14.6

1.2606 cas server support pac4j core 5.2.0

1.2607 javassist 3.22.0
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1.2608 python-pip 9.0.1-2.3~ubuntu1.18.04.1

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1.2609 xz 5.2.4 1

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<one line to give the program's name and a brief idea of what it does.>
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1.2610 procps 3.3.15 r0
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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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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.

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preserving your freedom as a user of such programs to change the free
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"Source code" for a work means the preferred form of the work for
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Activities other than copying, distribution and modification are not
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   d) If a facility in the modified Library refers to a function or a
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      is invoked, then you must make a good faith effort to ensure that,
      in the event an application does not supply such function or
      table, the facility still operates, and performs whatever part of
      its purpose remains meaningful.

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

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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
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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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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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1.2611 zipkin-storage-elasticsearch-http 2.8.3

1.2612 python 3.7.3 r0

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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

Python Software Foundation.
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
email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and :func:`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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------------------

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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 `xmlrpc.client` module contains the following notice::

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test_epoll
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Select kqueue

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SipHash24

--------

The file :file:`Python/pyhash.c` contains Marek Majkowski' implementation of
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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 `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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-------

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----
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cfuhash
-------

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1.2616 spring-boot 2.1.5

1.2617 jackson 1.1.1
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