Open Source Used In Crosswork Optimization Engine 1.1

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/* OPENBSD ORIGINAL: sys/sys/poll.h */

#ifndef COMPAT_POLL_H_
#define COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nflds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#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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    - The make-ssh-known-hosts script is no longer included
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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>
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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
/* 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)
#endif
#endif

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#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 */
#endif /* _BSD_WAITPID_H */

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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.

Open Source Used In Crosswork Optimization Engine 1.1171
* 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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.. note::

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- for the nxt2004 frontend driver
- Kirk Lapray <kirk.lapray@gmail.com>
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  for merging the nxt2002 and nxt2004 modules into a
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|| strcmp(license, "GPL v2") == 0
|| strcmp(license, "GPL and additional rights") == 0
|| strcmp(license, "Dual BSD/GPL") == 0
|| strcmp(license, "Dual MIT/GPL") == 0
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}
#endif

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1.6 liblocale-gettext-perl 1.07-3build2

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1.7 kerberos 1.16 2ubuntu0.1

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

include/iprop_hdr.h
tools/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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   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
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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and the initial implementation of incremental propagation, including the following new or changed files:

```plaintext
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iostream/ipropx
lib/kdb/ios/iprop.ip
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_verify.c
```
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import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
    return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
            if text_seen:
                warn(fname, ln, 'License begins after first line of comment')
        elif 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'^ *([^ ]*) \([^ ]* \([^ ]* \) ? \([^ ]* \)? \^f, lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1

    # Scan for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
if not in_comment:
    line = re.sub(r'/\*.*?\*/', '', line)
    line = line.strip()

if not in_comment and '/*' in line:
    (line, sep, comment_part) = line.partition('/*')
    comment = [comment_part.strip()]
    comment_starts_at = ln
    in_comment = True
elif in_comment and '*/' not in line:
    comment.append(line.lstrip('*').lstrip())
elif in_comment:
    (comment_part, sep, line) = line.partition('*/')
    comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                               code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
elif line.strip() != '':
    code_seen = True
    ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)

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1.8 gnu-tls 3.5.18-1ubuntu1.1
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##
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##

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1.25 xbean-reflect 4.6

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1.26 cds-access-client 1.5.2

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1.27 javax-websocket-server-impl

9.4.12.v20180830

1.28 berkeley-db 5.3.28-12+deb9u1

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1.29 inspektr-common 1.7

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1.30 libsepol 2.6-2

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1.31 apk-tools 2.8.2-r0

1.32 vim 8.0.1453-1ubuntu1.1

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" 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    \

syn match  psfNumber    \
                   "\<\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\>" contained
syn match  psfFloat      \
                   "\<\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\>\(\.<\d\d\>\)*" contained
syn match  psfLongDate    \
                   "\<\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\d\>" contained

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

syn keyword psfBoolean false true 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*[^#\s\t]+[^#\s\t]" -rs=e-1
contains=psfUnquotString,psfComment
end="~" keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib
start="^\s*[^#\s\t]+" -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 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 psfAppState 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
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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as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

Preamble

The licenses for most software are designed to take away your
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This license, the Lesser General Public License, applies to some
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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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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

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

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.

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To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
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Also add information on how to contact you by electronic and paper mail.

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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

*uganda* *Uganda* *copying* *copyright* *license*
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 ===

VIM LICENSE

I) 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.

III) If you distribute a modified version of Vim, you are encouraged to use the Vim license for your changes and make them available to the maintainer, including the source code. The preferred way to do this is 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* *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

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1.39 dev86 0.16.21 r0

1.39.1 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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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without
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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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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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its purpose remains meaningful.

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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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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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END OF TERMS AND CONDITIONS

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

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distribute the same sections as part of a whole which is a work based on the Program, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

a) Accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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

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

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

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1.48 spring-boot 2.2.1

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The source code for `gxditview' includes the following files:

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/pb.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

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. 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

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at

    ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex

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to copy the Corresponding Source from a network server at no charge.

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6b.

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(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
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@end example

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@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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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.59 log4j-slf4j-impl 2.9.1

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1.61 zap 1

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1.62 go-capability 1.5.2 0.7.git269f928.el7

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1.63 hsql-db 2.4.0

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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.
 * *
 * <p>The six logging levels used by <code>Log</code> are (in order):
 * <ol>
 * <li>trace (the least serious)</li>
 * <li>debug</li>
 * <li>info</li>
 * <li>warn</li>
 * <li>error</li>
 * <li>fatal (the most serious)</li>
 */
* 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,
* 
*    if (log.isDebugEnabled()) {
*        ... do something expensive ...
*        log.debug(theResult);
*    }
* 
* Configuration of the underlying logging system will generally be done external to the Logging APIs, through whatever mechanism is supported by that system.
* 
* @author Juergen Hoeller (for the \{code\-jcl\} variant)
* @since 5.0
*/

public interface Log {

/**
 * Is fatal logging currently enabled?
 * Call this method to prevent having to perform expensive operations (for example, \{code\}String\{code\} concatenation) when the log level is more than fatal.
 * @return true if fatal is enabled in the underlying logger.
 */
boolean isFatalEnabled();

/**
 * Is error logging currently enabled?
 * 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?
  * Call this method to prevent having to perform expensive operations
  * (for example, String concatenation)
  * when the log level is more than warn.
  * @return true if warn is enabled in the underlying logger.
  */
boolean isWarnEnabled();

/**
 * Is info logging currently enabled?
 * Call this method to prevent having to perform expensive operations
 * (for example, String concatenation)
 * when the log level is more than info.
 * @return true if info is enabled in the underlying logger.
 */
boolean isInfoEnabled();

/**
 * Is debug logging currently enabled?
 * Call this method to prevent having to perform expensive operations
 * (for example, String concatenation)
 * when the log level is more than debug.
 * @return true if debug is enabled in the underlying logger.
 */
boolean isDebugEnabled();

/**
 * Is trace logging currently enabled?
 * Call this method to prevent having to perform expensive operations
 * (for example, String concatenation)
 * when the log level is more than trace.
 * @return true if trace is enabled in the underlying logger.
 */
boolean isTraceEnabled();

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

/**
 * Logs an error with fatal log level.
 * @param message log this message
 * @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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lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTTransport.cs
lib/csharp/src/Transport/TTTransportException.cs
lib/csharp/src/Transport/TTTransportFactory.cs
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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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Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

Otherwise, if the work is a derivative of the Library, you may
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DRuntime: Runtime Library for the D Programming Language
=======================================================================

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model, to give anyone who possesses the object code either (1) a
copy of the Corresponding Source for all the software in the
product that is covered by this License, on a durable physical
medium customarily used for software interchange, for a price no
more than your reasonable cost of physically performing this
conveying of source, or (2) access to copy the
Corresponding Source from a network server at no charge.

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

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

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
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from the Corresponding Source as a System Library, need not be
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.95 jetty-deploy 9.4.12.v20180830

1.96 ncurses 6.1 1ubuntu1.18.04
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1.97 postgre-sql 42.2.8
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1.114 slf4j-nop 1.7.21

1.115 jetty-client 9.4.8.v20171121

1.116 cyrus-sasl 2.1.27~101-g0780600+dfsg-3ubuntu2.1

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1.131 mongo-java-driver 3.4.3

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Written by: Philip Hazel
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Email domain: cam.ac.uk

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zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.8, April 28th, 2013

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---------------------------------------------
tomb - support for clean goroutine termination in Go.

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1.143 spring-expression 5.1.6

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 */

package org.springframework.expression;

/**
 * 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);
}
}

1.144 armon-go-metrics 3.0.1-0ubuntu1~18.04.1
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Upstream-Name: go-metrics
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1.145 eclipse 3.10.1.v20140909 1633

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

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

public final class CopyingRangeMarker extends TextEdit {

    private String fText;

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

    /* Copy constructor
     */
    private CopyingRangeMarker(CopyingRangeMarker other) {
        super(other);
        fText= other.fText;
    }

    /* non Java-doc
     * @see TextEdit#doCopy
     */
    protected TextEdit doCopy() {
        return new CopyingRangeMarker(this);
    }
}
/*
 * @see TextEdit#accept0
 */
protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

/* non Java-doc
 * @see TextEdit#performDocumentUpdating
 */
/* package */ int performDocumentUpdating(IDocument document) throws BadLocationException {
    fText= document.get(getOffset(), getLength());
    fDelta= 0;
    return fDelta;
}

/* non Java-doc
 * @see TextEdit#deleteChildren
 */
/* package */ boolean deleteChildren() {
    return false;
}

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1.148 jetty-security 9.4.11.v20180605

1.149 runit 2.1.2-r3

1.150 apache-oltu-oauth2-resource-server

1.0.2

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1.151 netty-transport-native-epoll 4.1.36

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1.153 linux-base 4.5ubuntu1

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

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

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

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

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

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   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
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4. You may copy and distribute the Library (or a portion or
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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

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

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

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

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

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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
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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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Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.64 apache-karaf-webconsole-instance

4.2.2

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1.165 fasthttp 1.1.0

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1.166 zookeeper 3.4.10

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1.172 cyrus-sasl 2.1.27

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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"

_buildddir="$srcdir"/libart_lgpl-$pkgver

prepare() {
    cd "$_buildddir"
    update_config_sub || return 1
}
build() {
    cd "$_buildddir"
    ./configure \
    --build=$CBUILD \
    --host=$CHOST \
    --prefix=/usr \
    || return 1
    make || return 1
}
package() {
    cd "$_buildddir"
    make DESTDIR="$pkgdir" install || return 1
    rm "$pkgdir"/usr/lib/*la
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302  libart_lgpl-2.3.21.tar.bz2"
From 6e2604464e64cfaaf1e0327228f53f4787b69470 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.
---
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>
# Maintainer: Francesco Colista <francesco.colista@gmail.com>
 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"

Open Source Used In Crosswork Optimization Engine 1.11686
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="0e5fd53d93818566234578b27d667b35  Software-License-0.103004.tar.gz"

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1.181 spring-boot-autoconfigure 2.1.10

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* Project home: https://projects.eclipse.org/projects/ee4j.jaxb-impl

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**1.188 jetty-jndi 9.4.12.v20180830**

**1.189 sshpass 1.06 r0**

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1.199 shiro config core 1.4.1

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1.200 yang-parser-rfc7950 2.1.11

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Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,

val x: ((Int, Int) => Int) = { case (a, b) => ... }

or consider a pattern matching anonymous function:

val y: ((Int, Int, Int) => Int) = { case (param1, param2) => ... }

val z: ((Int, Int, Int) => Int) = { case (param1, ..., param3) => ... }

three errors found

Scala includes the jQuery library:

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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");

    private final static String __IMMUTABLE = "IMMUTABLE",
    __READONLY = "READONLY",
    __READWRITE = "READWRITE",
    __VOLATILE = "VOLATILE";

    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, getIndex(), bytes, 0, bytes.length);
    else
        peek(getIndex(), 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.CaseInsensitve ||  b instanceof Buffer.CaseInsensitve)
        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)


```java
{  
    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);  
    return 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;
            }
        }
        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)
{
if (isReadOnly())
   throw new IllegalStateException(__READONLY);
if (index < 0)
   throw new IllegalArgumentException("index<0: " + index + ",<0");
/*
if (length<0)
   throw new IllegalArgumentException("index>capacity(): " + index + ",>" + capacity());
*/
if (index + length > capacity())
{
   length=capacity()-index;
   /* if (length<0)
      throw new IllegalArgumentException("index>capacity(): " + index + ",>" + capacity());
   */
}
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)
{
   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()
{
    return sliceFromMark(getIndex() - markIndex() - 1);
}

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;
}
public String toString(String charset)
{
    try
    {
        byte[] bytes=asArray();
        if (bytes!=null)
            return new String(bytes,getIndex(),length(),charset);
        return new String(asArray(), 0, 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 = asArray();
    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;
        }
    }
}
```java
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,0,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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1.215 apache-commons-logging 1.1.3

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1.226 sed 4.4 1

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1.232 jersey-guava 2.25.1

1.233 google-protobuf 3.6.0

1.234 plexus-utils 3.0.17

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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
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Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
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.
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Makey, Jeff
Marchionna, Michael D.
Markham, Paul
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Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
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Miller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.
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Paquet, Eric
Paradis, Chantal
Pasteleurs, Frederic
Percival, Ted
Perera, Andres
Peron, Christian S.J.
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Peterson, Toby
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Pickett, Joel
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Rasch, Gudleik
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Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
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Sato, Yuichi
Sánchez, Wilfredo
Sanders, Miguel
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Scott, Dougal
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Smith, Andy
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Soulen, Steven
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Spradling, Cloyce D.
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Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro
Blttermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
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For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

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

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

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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,
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themselves, then this License, and its terms, do not apply to those
sections when you distribute them as separate works. But when you
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entire whole, and thus to each and every part regardless of who wrote
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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
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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:

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

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

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

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

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

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

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

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

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

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

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

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

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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.

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

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

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

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

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

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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.

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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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++++++++++++++++

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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1.240 ncurses 6.1_p20190518-r2

1.240.1 Available under license:

Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

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

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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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1.242 json-path 2.4.0

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1.243 musl 1.1.22 r3

1.244 spring-beans 5.2.1
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 */
1.249 json-java 20140107

1.250 websocket-client 9.4.12.v20180830

1.251 simpleclient-common 0.3.0

1.252 jboss-logging 3.3.0

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1.253 groovy-all 2.4.12

1.254 generex 1.0.1

1.255 httpcomponents-core 4.4.9

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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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1.282 javax-inject 1.0.0.v20091030

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1.295 chrony 3.2 4ubuntu4.2

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1.296 brave instrumentation http 4.18.2

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1.297 gcc 6.3.0-r4

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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.h2016-03-09 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
-
-#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.c2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/openbsd-compat/realpath.c2016-07-18 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);
+ ssh_realpath(const char *path, char *resolved);

#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)
+ 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.c2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c2016-07-18 13:34:29.131267241 +0300
@@ -1162,7 +1162,7 @@
   }
 debug3("request %u: realpath", id);
 verbose("realpath \"%");
- if (realpath(path, resolvedname) == NULL) {
+ if (ssh_realpath(path, resolvedname) == NULL) {
    send_status(id, errno_to_portable(errno));
  } else {

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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
}
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"
cpandepend=""
cpanmakedepend=""
depends="${cpandepend}"
makedepend="perl-dev ${cpandepend}"
subpackages="${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="c47d4602bd00d8d049f6ff4a0f1f61957e289e8de45af5fc79e851e2e855e06  BSD-Resource-1.2909.tar.gz"
sha512sums="5f489eac5089e82081b7cf51d62638750e443751b49415407354da96b17771819b5e6e85529faa41ddd85743363750157943cf77700276c0e2bd40a429fa430  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"

prepare() {
    cd "$_builddir"
    update_config_sub || return 1
}
build() {
    cd "$_builddir"
    ./configure \
    --build=$CBUILD \n    --host=$CHOST \n    --prefix=/usr \n    || 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 @@
  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

gpgdesc="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="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fddf62fcccfe2b73  flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaed3a525ac3c7da12bf2ec338c204cc69b72d05cd39560e528aff5d586c3b1be9570f4a977a7e2417b586e543bfba12abce256b2023c8c4993eeb90  flake8-copyright-0.2.0.tar.gz"

1.298 ui-widgets 4.4.0.v20140623020002

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guid: f77549dfdf0141cf93f22327b7d1feb
TextScriptImporter:
  externalObjects: {} 
userData: 
  assetBundleName: 
  assetBundleVariant: 
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1.299 eclipse-equinox-common

3.6.200.v20130402 1505

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1.300 bridgeutils 1.5-15ubuntu1

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

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Protocol Buffers for Go with Gadgets

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

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# Please keep the list sorted.

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1.313 Jackson 2.9.10

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1.314 byte-buddy 1.10.2

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xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfd2bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and piostream 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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1.316 mongo-java-driver 3.5.0

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developing the TLS API and JSSE provider that appeared in 1.56.\</li>
<li>Additional CertPath testing and validation data from the CertPath testing tool developed by \<a href="https://www.cryptosource.de">cryptosource GmbH</a> and \<a href="https://www.mtg.de">media Transfer AG</a> both located in Darmstadt, Germany.\</li>
</ul>

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<li>Carmen Bastiaans <cbastian@#064;microbits.com.au> - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store.\</li>
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V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to 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>
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Chris Kerr <ckerr&amp;#064;filonet.ca> - 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.

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Mike Bean <mbean&amp;#064;lucentradius.com> - fixing the fall through bug
in the IV algorithm parameters class.</li>

Martin Petraschek &lt;e9526225&amp;#064;student.tuwien.ac.at&gt; - fixing ASN1
tagging so tag values up to 30 are now supported.</li>

Jess Garms &lt;jgarms&amp;#064;yahoo.com&gt; - fixing 112/168 key size bug for
DESede key generation.</li>

Mike Bremford &lt;mbre&amp;#064;big.faceless.org&gt; - contributing the initial PKCS7 implementation.</li>

Shankar Srinivasan &lt:ssr002&amp;#064;yahoo.com&gt; - S/Mime interoperability testing and debugging.</li>

Stef Hoeben &lt;stefstef&amp;#064;skynet.be&gt; - adding Montgomery multiplication to the BigInteger class.</li>

Klaudiusz Ciosk &lt;kciosk&amp;#064;max.com.pl&gt; - improving the compatibility of
the SMIME package with the Sun JCE.</li>

Thomas Houtekier &lt;Thomas.Houtekier&amp;#064;tectrade.net&gt; - S/Mime testing and debugging. Interoperability
with
Biztalk.</li>

Don Hillsberry &lt;hillsber&amp;#064;dialcorp.com&gt; - S/Mime testing and debugging.</li>

Kazu Furuya &lt;furusya&amp;#064;infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.</li>

Jason Novotny &lt;dnovotny&amp;#064;lbl.gov&gt; - initial work on the openSSL PEM processing.</li>

Joel Hockey &lt;joel.hockey&amp;#064;qsipayments.com&gt; - initial work on the openSSL PEM processing.</li>

John Steenbruggen &lt;JohnS&amp;#064;geotrusted.com&gt; - fixing CertificationRequestInfo to handle cert request info
objects without attribute blocks.</li>

Justin Chapweske &lt;justin&amp;#064;chapweske.com&gt; - ordering patch for Tiger message digest.</li>

John Serock &lt;jserock&amp;#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 <Sascha.Weinreuter@cit.de> - fixed SMIME saveChanges() bug.

André Wehnert <aw5@inf.tu-dresden.de> - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.

Luigi Lo Iacono <lo_iacono@nue.et-inf.uni-siegen.de> - adding SIC mode to the blockciphers in the provider.

Tim Sakach <tsakach@certivo.net> - SMIME v2 compatibility patches.

Marcus Povey <mpovey@inf.tu-dresden.de> - adding the PGP mode to the lightweight API and the provider.

Sebastian Clauß <sc2@inf.tu-dresden.de> - adding randomness setting to the certificate and CRL generators.

Nicolas Bielza <nicolas.bielza@alligacom.com> - 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 <casymarshall@metastatic.org> - fixing the clone problem with Macs in the clean room JCE.

Rick Zeldes <rick.zeldes@eds.com> - initial code for CMS/SIMIME CompressedData.

Jarek Gawor <jarek.gawor@cs.tu-dresden.de> - fixing ASN.1 sequence unpacking in BasicConstraints constructor.

Brett Neumeier <random@inf.tu-dresden.de> - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of URLBase64.

Graham Coles <graham.coles@inf.tu-dresden.de> - patch to isParityAdjusted in DESKeySpec.

Jörg von Kattche <e@j.kattchee@inf.tu-dresden.de> - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.

Matteo Artuso <matteo.artuso@libero.it> - picking up the possible overead in ASN1InputStream.

Julian Morrison <julian@extropy.demon.co.uk> - spotting the slow down in Diffie-Hellman key generation.

Elmar Sonnenschein <eso@esomail.de> - fix to long conversion in clean room SecureRandom.

Jörg von Kattche <e@j.kattchee@inf.tu-dresden.de> - Locale fix for the clean room JCE.

Bryan Lovquist <bkl@cps.com.au> - Other provider compatibility fixes for CMS signing.

Artem Portnoy <Artem.Portnoy@inf.tu-dresden.de> - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.

Michael Haufler <haufler@esomail.de> - missing OID update for SHA1 with RSA Signature.

Johann Seland <johans@netfonds.no> - general toString for BigInteger class.

Johannes Nicolai <johannes.nicolai@novosec.com> - further enhancements to OCSP response generation, fix to CertificateID issuer.

Marc Doberva <marc.doberva@ilex-si.com> - help in isolating the JSSE/BC RSA key issue.

Jan Dvorak <jan.dvorak@604mathan.cz> - initial implementation of the light weight Null block cipher.

Joe Cohen <jocohen@604forumsys.com> - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.

Chris Long <claolong@604ece.cmu.edu> - adding public key decoding to PEMReader.

Hes Siemelink <hes@604izecom.com> - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.

Stefan Pütz <stefanputziu@604yahoo.com> - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.

Kaiser Yang <kaiseryang@604yahoo.com> - Finding BigInteger loop problem in prime generation.

Jiri Urbanec <jiri.urbanec@604logicacmg.com> - patch to fix defect in DERBMPString.equals().
Justin Kolb <jkolb@064pristx.com> - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.

Ralf Hauser <ralfhauser@064gmx.ch> - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator.

Michal Dvorak <M_Dvorak@064kb.cz> - getNextUpdate patch for OCSP SingleResp.

Klaus Greve Fiorentini <Klaus@064cpqd.com.br> - array fix in PGP PublicKeyEncSessionPacket.

Olivier Refalo <Olivier_Refalo@064fpl.com> - null pointer exception fix for JDK 1.3 CMSSignedData objects.

Mariusz Bandola <mariusz.bandola@064cryptotech.com.pl> - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.

Brien Oberstein <brien.oberstein@064transacttools.net> - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.

Ian Haywood <ian@064hawood.mac.com> - addition of getSignatureType to PGPSignature.

Jonathan Edwards <s34gull@064mac.com> - initial support for reading multiple rings from a PGP key file.

Andrew Thornton <andrew@064caret.cam.ac.uk> - patch for RSA PUBLIC KEY in PEMReader.

Gregor Leander <gl@064bos-bremen.de> - initial parsing of multiple sequence entries in an X.500 Name.

Antoon Bosselaers <Antoon.Bosselaers@064sat.kuleuven.ac.be> - help with RipeMD320 implementation.

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

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

Francois Staes <fstaes@064netconsult.be> - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed content info to CMSSignedDataGenerator, patch to DH key agreement.

W.R. Dittmer <wdittmer@064cs.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@064harte-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 Hausler <haeusler@064ponton-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@064digiiweb.net.nz> - addition of ZeroBytePadding.

Lars <xyz@064sagemdenmark.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 overead issue in BCPGInputStream.

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

Jay Gengelbach <jongengelbach@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 &lt;mmundy1@umbc.edu&gt; - infinite loop prevention patch to PKCSS2ParametersGenerator.

Tom Cargill &lt;cargill@064profcon.com&gt; - spelling patch in provider.

Breitenstrom Christian &lt;C.Breitenstrom@064t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko &lt;zanotti@064cad.it&gt; - patch to ordered equality test for X509Name.

Nicola Scendon &lt;nscendon@064babelps.it&gt; - patch to add sorting to CertPath validation.

Ville Skyttä &lt;ville.skytt@064ki.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 NullPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley &lt;Miles.Whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.

Albert Moliner &lt;amoliner@064evintia.com&gt; - initial TSP implementation.

Carlos Lozano &lt;carlos@064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javier Delgadillo &lt;javi@064jav.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">EGEE project</a&gt; for making the work available.

Rolf Schillinger &lt;rolf@064sir-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.

Atsuhiro Yamakana &lt;ynmk@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@064reksof.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 verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

Dirk Eisinger &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.

Matteo &lt;matartuso@064libero.it&gt; - sequence patch to ASN1Dump.

Andrew Paterson &lt;andrew.patonson@064burnsec.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.

Vladimir Molotkov &lt;vladimir.m.molotkov@064intel.com&gt; - extensive provider exception handling compliance testing.

Florin Kollan &lt;adlocflo@064web.de&gt; - fix to ElGamalKeyParameters equality testing.

Pavel Vassiliiev &lt;paulvas@064gmail.com&gt; - Initial GOST28147Mac implementation.

Tom Pesman &lt;tom@064tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.
<li>Lukasz Kowalczyk <lukasz.b.kowalczyk@064gmail.com> - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch <Arndt.Hasch@064maxence.de> - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) <bernd.fix@credit-suisse.com> - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee <dmlee@064Crossroads.com> - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon <md5@064embody.org> - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung <t2cung@hotmail.com> - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz <cschultz@064gmail.com> - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee <dmlee@064Crossroads.com> - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees <rees@064ddcom.co.jp> - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau <francesc.sau@064partners.netfocus.es> - micro fix for tsp Accuracy class.</li>
<li>Lawrence Tan <lwrnctan@gmail.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="http://www.keyon.ch">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>J&ouml;rg Eichhorn <eichhorn@064ponton-consulting.de> - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Karsten Ohme <sidentifier@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 ECPoinUtil. 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.</li>
<li>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.

- Carlos Lozano Ruiz <carlos@tradise.com> - patch for <ctrl><m> only handling in CRLFOutputStream.
- John Alfred Prufrock <j.a.prufrock@#064gmail.com> - mods to GOST-3411 and MD2 to support ExtendedDigest.
- Stefan Neusatz Guilhen <sneusatz@#064gmail.com> - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.
- Marzio Lo Giudice <marzio.logiudice@#064gmail.com> - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.
- Georg Lippold <georg.lippold@#064gmx.de> - initial implementation of NaccacheStern cipher.
- Chris Viles <chris_viles@#064yahoo.com> - fix to SignatureSubpacket critical bit setting.
- Pasi Eronen <Pasi.Eronen@#064nokia.com> - extra toString() support for ASN.1 library. Initial patch for large OID components.
- Maria Ivanova <maria.ivanova@#064gmail.com> - support for tags > 30 in ASN.1 parsing.
- Armin H&auml;berling <arminha@student.ethz.ch> - first cut of internationalisation, initial PKIX validation classes.
- Marius Schilder <mschilder@#064google.com> - main set of test vectors for Bleichenbacher's forgery attack.
- Xavier Le Vourch <xavier@#064brittanysoftware.com> - general code clean ups.
- Erik Tews <e_tews@#064cdc.informatik.tu-darmstadt.de> - initial threaded random seed generator, constant-time PKCS#1.5 decoding.
- Thomas Dixon <reikomusha@#064gmail.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 blindin 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@#064rtterner.de> - GnuPG compatibility changes for PBFEFileProcessor.
- Olga Kauml;thler <olga.kaethler@#064hp-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@#064gmail.com> - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.
- N&amp;uuml;eacute;Mar&amp;iacute;: <numaaa@#064hotmail.com> - patch for alternate data type recognition in CMSignedDataParser.
- 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@#064comcast.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@#064nbc.com> - correction to excluded DN in name constraints processing for PKIX.
processing. </li>
<li>Eugene Golushkov <eugene_gff@064ukr.net> - mask fix to single byte read in TlsInputStream. </li>
<li>Julien Pasquier <julienpasquier@064free.fr> - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries. </li>
<li>Peter Knopp <pknopp@064mtg.de> - fix for named curve recognition in ECGOST key generation. </li>
<li>Jakub Gwozdz <gwozdziu@064rpg.pl> - addition of getTsa() to TimeStampTokenInfo. </li>
<li>Bartosz Malkowski <bmalkow@064tgase.org> - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac. </li>
<li>Tal Yacobi <tal.yacobi@064octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55]. </li>
<li>Massimiliano Ziccardi <massimiliano.ziccardi@064gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes. </li>
<li>Andrey Pavlenko <andrey.a.pavlenko@064gmail.com> - security manager patch for PKCS1Encoding property check. </li>
<li>Mike StJohns <mstjohns@064comcast.net> - updates to KeyPurposeId. </li>
<li>J Ross Nicoll <jrn@064jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library. </li>
<li>Matthew Stevenson <mavrickenz@064yahoo.com> - patch to constructor for CRMF CertSequence. </li>
<li>Gabriele Contini <gcontini@064hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEF's. </li>
<li>Roelof Nauve <roelof.nauve@064epiuse.com> - patch for TLS client to send empty client certs in response to HP_Certificate_Request. </li>
<li>Patrick Peck <peck@064signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library. </li>
<li>Michael LeMay <lemaymd@064lemaymd.com> - identified problem with EAX [#BJA-93]. </li>
<li>Alex Dupre <sale@064FreeBSD.org> - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. </li>
<li> 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.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate(). </li>
<li>Jon Larrañagüélaga <jilarra@064s21sec.com> - fix to default partial packet generation in BCPGOutputStream. </li>
<li>Bob Kerns <bob.kerns@064positscience.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 <tobbe79@064gmail.com> - initial implementation of Grain-v1 and Grain-128. </li>
<li>Paul FitzPatrick <bouncycastle_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 Henriquez <pmahenriques@064gmail.com> - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding. </li>
<li>Lothar Kimminger <job@064kimmeringer.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&#064.ibm.com> path 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 <sormegil&#064centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener <antener.a&#0646gmx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat <hrrawat&#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>Tomás Krivánek <tom&#064attac.cz> added checking of Sender header to SignedMailValidator.</li>
<li>Michael <emfau&#064t-online.de> correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin <trevor&#064cryptography.com> addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kilårs <markus&#064primekey.se> several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic <darionis&#064yahoo.com> fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith <msmith&#064cbnco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio <andrea.zilio&#064cbnco.com> fix for PEM password encryption of private keys.</li>
<li>Wayne Grant <wayne.grant&#064gmail.com> additional OIDs for PKCS10 and certificate generation support.</li>
<li>Frank Cornelis <info&#064frankcornelis.be> additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner <jan&#064dittberner.info> addHeader patch for SMIME generator.</li>
<li>Bob McGowan <bmcgowan&#064btinternet.com> patch to support different content and mgf digests in PSS signing.</li>
<li>Ivo Matheis <i.matheis&#064seeburger.de> fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini <m.sandrini&#064gmail.com> path to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf <alfilmalf&#064hotmail.com> removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa <alfonso.massa&#064insiel.it> contributions to CMS time stamp classes.</li>
<li>Giocomo Boccardo <gboccardo&#064unimaticaspa.it> initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu <arnis&#0644ut.ee> patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociński <j.sikociński&#064gdzie.pl> addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev <jhudolejev&#064gmail.com> JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten <liane.velten&#064hjp-consulting.com> fine tuning of code for DHParameters validation.</li>
<li>Shawn Willden <s.willden&#064google.com> additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev <akrachev&#064gmail.com> added support for revocation signatures in OpenPGP.</li>
<li>Michaël Laiking <mickael.laiking&#064keynectis.com> initial cut of EAC classes.</li>
<li>Tim Buktu <tbuktu&#064hotmail.com> Initial implementation of NTRU signing and encryption.</li>
<li>Bernd <bernd&#064gmail.com> Fix for open of PGP literal data stream with UTF-8 naming.
Steing Inge Morisbak <stein.inge.morisbak&#064BEKK.no> Test code for lower case Hex data in PEM headers.

Andreas Schmid <andreas.schmid&#064tngtech.com> Additional expiry time check in PGPPublicKeys.

Phil Steitz <phil.steitz&#064gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes.


Petar Petrov <pet.petrov&#064bers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick <daniel.f.nwr&#064gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson <Andy.Neilson&#064quest.com> a further patches to deal with multiple providers and PEMReader.

Ted Shaw <xiao.xj&#064gmail.com> patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Eleriseth <Eleriseth&#064WPECGLtYbVi8Rl6Y7Vzl2Lvd2EUWW99v3yNV3IWROG8.fms> speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root <kenny&#064the-b.org> patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes <maarten.bodewes&#064gmail.com> initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay <pilf_b&#064yahoo.com> Initial implementation of J-PAKE.

Brian Carlstrom <bdc&#064orionhealth.com> compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lid&ecut;e:n Borell <samuel&#064primekey.se> patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder

Sergio Demian Lerner <sergiolerner&#064certimix.com> pointing out isInfinity issue in ECDSA resignature verification.

Tim Whittington <Tim.Whittington&#064orionhealth.com> patch to remove extra init call in CMac, additional of Memoable 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 CAST5 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.

Marcus Lundblad <marcus.lundblad&#064primekey.se> patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin <zhozhin&#064xrm.ru> patch for override of TSP SignerInfo attributes.

Sergey Tiunov <t5555d&#064gmail.com> initial cut of DVCS classes.

Damian Kolas <fatfreddy&#064gmail.com> ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes <ashley.hughes&#064blueyonder.co.uk> patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher <dev&#064daniel-hirscher.de> patch to support parsing of explicit EC parameters in PEM files.
<li>Daniele Ricci <daniele.athome@gmail.com> initial implementation of EC keys for OpenPGP and RFC6637 support.</li>

<li>Matti Aarnio <matti.aarnio@metehics.fi> tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.</li>

<li>Babak Najafi <bnajafi@akamai.com> fixes to OpenPGP NotationData to prevent truncation problems.</li>

<li>Eric M&uuml;ller <eric.mueller@&064sage.de> additional standard algorithm name lookups in JcaPEMKeyConverter.</li>

<li>Daniele Grasso <daniele.grasso86@gmail.com> contributions to final Key calculation code for SRP6.</li>

<li>Andrey Utkin <cindrhc@gmail.com> patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>

<li>Arnis Tartu <arnis@064ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>

<li>Roberto Tyley <axel-vdb@riseup.net> initial implementation of Shacal2.</li>

<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>Andreas Reiter <andreas.reiter@iaik.tugraz.at> Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>

<li>Kieran Miller <kieran.miller@gmail.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@cryptovision.com> Initial support for encodable state message digests.</li>

<li>Sid Steward <sid.steward@064pdflabs.com> code improvements to ASN1Boolean.</li>

<li>Maurice Aart <s.aarts@064riscure.com> updated to KDF generator to follow NIST SP 800-108.</li>

<li>Franziskus 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 Schaefer <https://github.com/martinschaefer> contributed a code-cleanup patch.</li>

<li>Lijun Liao <ljun.liao@064gmail.com> 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 <l.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>Blake2bDigest</li>
<li>Derek Atkins <derek@ihtfp.com> Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky <peto@halicky.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@cisco.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>Björn Kautler <https://github.com/Vampire> Refinements to cert path validation (authority key addition, certificate order preservation).</li>
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<li>Thomas Belot <thomas.belot+BC@cisco.com> initial CertPathLoopTest for demonstrating stack overflow issue.</li>
additional test cases for the provider.</li>
<li>Gorka Irazoqui <girazoki@wpi.edu> from Intel Security Center of Excellence detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine.</li>
<li>Joerg Senekowitsch <joerg.senekowitsch@064veridos.com> patch to deal with hard coded boolean in EAC ECDSA Public Key.</li>
<li>Alexandr Krivoshta <wipe@064ya.ru> N4 calculation fix to GOFB mode.</li>
<li>Artem Storozhuk <storozh72@064gmail.com> N4 calculation fix to GOFB mode.</li>
<li>Na Yu <na.yu@064samsung.com> Constructor patches to CMC PKIData.</li>
<li>Evangelos Karatsiolis <ekaratsioli@064mtg.de> Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
<li>VivleSoren <https://github.com/VivleSoren> additional constructor for McElieceCCA2 Private Key Parameters.</li>
<li>mtausig <https://github.com/mtausig> JavaDoc fix for MCEncryptedDataGenerator.</li>
<li>Sebastian Wolfgang Roland <sebastianwolfgang.roland@064stud.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 <storozh72@064gmail.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>
</body>
</html>

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1.323 parboiled 1.1.7

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1.326 antlr 2.7.7

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The primary ANTLR guy:

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1.345 neo4j configuration 3.5.12

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<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD//EN" "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" />
    </id>

    <property name="number" column="license_number" />
  </class>
</hibernate-mapping>

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 */

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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;
}

}

1.354 alpine-baselayout 3.1.0-r0

1.355 spring-js-resources 2.4.6

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- tests/iojs/test-http-parser-durability.js


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- tests/fixtures/*
tests/parallel/*
tests/testpy/*
tests/common.js
tests/test.py
tests/utils.py

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URL: https://github.com/unshiftio/querystringify
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VendorName: Alex Ford
VendorUrl: http://CodeTunnel.com

Unlicense

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VendorName: TweetNaCl-js contributors
VendorUrl: https://tweetnacl.js.org/

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Version 3, 29 June 2007

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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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              Marina Del Rey, CA 90292

Point of Contact:
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Positions: Chief Operational Officer

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<th>Name</th>
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<td>12 September 2006</td>
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Mailing Address: 2, Tannery Cottages, Tannery Lane, Bramley, Surrey, GU5 0AB, UK.

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=piHm
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Version: GnuPG v1.4.10 (GNU/Linux)
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1.375 go-jsonpointer 1,10

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1.376 nettle 3.5.18 1ubuntu1.1

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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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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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1.405 go-kit 0.60

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1.406 pax-cdi-jetty-weld 1.0.0

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@end enumerate

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

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

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

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

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

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

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

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

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   b) You must cause the files modified to carry prominent notices
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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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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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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
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

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

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

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

TERMS AND CONDITIONS

0. Definitions.

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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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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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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.

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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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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
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1.421 grep 3.1 2build1

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1.425 jackson-module-jaxb-annotations 2.9.10
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its purpose remains meaningful.

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

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline
functions (ten lines or less 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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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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Open Source Used In Crosswork Optimization Engine 1.14039

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@subheading END OF TERMS AND CONDITIONS

@page
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@end enumerate

@ifex
@heading END OF TERMS AND CONDITIONS
@end ifex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
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Ty Coon, President of Vice
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Ackeret, Matt
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Bellis, Ray
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Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vtzslav
Coleman, Chris
The following people have worked to translate sudo into other languages:

Blttermann, Mario
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1.438 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.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();

/* ---------------------------------------------------------------------- */
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;
}
}

/* ----------------------------------------------------------------------------- */
public void resetBuffer()
{
    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;
}

/*/ ----------------------------------------------- */
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;
}

public boolean isHead()
{
    return _head;
}

public void setContentLength(long value)
{
    if (value<0)
        _contentLength=HttpTokens.UNKNOWN_CONTENT;
    else
        _contentLength=value;
}

public void setHead(boolean head)
{
    _head = head;
}

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;
}
/* ------------------------------------------------------------ */
/**
 * @param status The status code to send.
 * @param reason the status message to send.
 */
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
                {
                    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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 *
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 */
1.447 asm-util 5.0.3

1.448 spring-framework 5.0.5

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1.457 pax-jdbc-pool-transx 1.3.1

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interface-compatible with the version that the work was made with.

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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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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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1.461 spring-cloud-config-client 1.3.3

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**1.487 patch 2.7.6 2ubuntu1.1**

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1.491 mdsal-singleton-common-api 3.0.10

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1.492 pam 1.1.8 3.6

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1.493 jprocesses 1.6.4

1.494 neo4j-cypher-planner 3.5.12

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<xsl:stylesheet version="1.0"
    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">
        <xsl:text>This Source Code Form is subject to the terms of the Mozilla Public
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    <xsl:variable name="isc.copyright">
        <xsl:call-template name="isc.copyright.format">
            <xsl:with-param name="text">
                <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
                    <xsl:text>Copyright (C) </xsl:text>
                    <xsl:call-template name="copyright.years">
                        <xsl:with-param name="years" select="year"/>
                    </xsl:call-template>
                    <xsl:text> </xsl:text>
                    <xsl:value-of select="holder"/>
                    <xsl:value-of select="$isc.copyright.breakline"/>
                    <xsl:text>&#10;</xsl:text>
                </xsl:for-each>
            </xsl:with-param>
        </xsl:call-template>
    </xsl:variable>

</xsl:stylesheet>
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The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

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Automated Testing Framework

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

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* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c2ff2bb5b6.

  Author: Julio Merino <jmmv84@gmail.com>

* 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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<p>Google BooksGoogle Product Search  Amazon<p>

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Protocol Buffers for Go with Gadgets

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

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

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1.505 el-impl 2.2

1.506 concurrentlinkedhashmap-lru 1.4.2

1.507 yang-model-util 0.8.4

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BSON library for Go

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

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// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    Name string `json:"name,omitempty"`
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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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= vendor/github.com/munnerz/goautoneg/README.txt a33eda65f1bc658f358e1d690c6a93d4

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tomb - support for clean goroutine termination in 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{
        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{
    m:
  }
  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 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{}
}

func (m *LicenseManager)
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 {

---

Open Source Used In Crosswork Optimization Engine 1.15363
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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1.518 netty-codec 4.1.17

1.519 policykit 0.105-20ubuntu0.18.04.5

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</head>
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</html>
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<li>Carlos Valiente &lt;superdupont@#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc@#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Karsten Ohme &lt;widerstand@#064online.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 ECPinUtil. Infinity fix and prime192v2 fix 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>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/Parsing 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 &lt;carlos@#064tradise.com&gt; - patch for &amp;lt;ctrl&amp;gt;&amp;lt;m&amp;gt; only handling in CRLOutputStream.</li>
<li>John Alfred Prufrock &lt;j.a.prufrock@#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
<li>Stefan Neusatz Guilhen &lt;sneusatz@#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;maira.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminha&#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schilder &lt;mschilder&#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Arik Le Vouch &lt;xavier&#064brittanysoftware.com&gt; - general code clean ups.</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;rojaquim&#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&#064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>
<li>Olga K&auml;thler &lt;olga.caetherl&#064consulting.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&uacute;ria Mar&iacute; &lt;numaa&#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
<li>Janis Schuller &lt;js&#064tsi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;mike&#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;nstjohns&#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller&#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark&#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gff&#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.
Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.

Peter Knopp &lt;pknopp&#064064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.

Jakub Gwozd &lt;gwozdziu&#064064rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.

Bartosz Malkowski &lt;bmalkow&#064064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.

Tal Yacobi &lt;tal.yacobi&#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].

Massimiliano Ziccardi &lt;massimiliano.ziccardi&#064064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.

Andrey Pavlenko &lt;andrey.a.pavlenko&#064064gmail.com&gt; - security manager patch for PKCS1Encoding property check.

J Ross Nicoll &lt;jrn&#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson &lt;mavricknz&#064064yahoo.com&gt; - patch to constructor for CRMF CertSequence.

Gabriele Contini &lt;gcontini&#064064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.

Roelof Naude &lt;roelof.naude&#064064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck&#064064signaturen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

Michael LeMay &lt;lemaymd&#064064lemaymd.com&gt; - identified problem with EAX [#BJA-93].

Alex Dupre &lt;ale&#064064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest.

Michael Schoene &lt;michael&#064064sgrid-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&#064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.


Stefan Meyer &lt;stefan.meyer&#064064ewe.de&gt; - backport for PKIXCertPathValidator and SMIMESignedMailReviewer.

Robert J. Moore &lt;Robert.J.Moore&#064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.

Rui Hodai &lt;rui&#064064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.

Emir Bucalovic &lt;emir.bucalovic&#064064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Torbjorn Svensson &lt;tobbe79&#064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick &lt;bouncycastle_pfitz&#064064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.

Henrik Andersson &lt;k.henrik.andersson&#064064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.

Cagdas Cirit &lt;cagdascirit&#064064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.

Harakiri &lt;harakiri_23&#064064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.

Pedro Henriques &lt;pmahenriques&#064064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

Lothar Kimmeringer &lt;job&#064064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for S/MIME API.

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Open Source Used In Crosswork Optimization Engine 1.15445
Richard Farr &lt;rfarr.se&#064gmail.com&gt; initial SRP-6a implementation.

Thomas Castiglione &lt;castiglione&#064064au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.

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

Robin Lundgren &lt;r737lundgren&#064gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.

Petr Kadlec &lt;mormegil&#064centrum.cz&gt; fix to sign extension key and IV problem in HC-128, HC-256.

Andreas Antener &lt;antener_a&#064064gmx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.

Harendra Rawat &lt;hrawat&#064064yahoo.com&gt; fix for BERConstructedOctetString.

Rolf Lindemann &lt;lindeumann&#064064trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].

Alex Artamov &lt;alexart.home&#064064gmail.com&gt; name look up patch for GOST-2001 parameters.

Mike Lyons &lt;mlyons&#064064layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.

Chris Cole &lt;chris_h_cole&#064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.

Tomas Krivanek &lt;tom&#064064attack.cz&gt; added checking of Sender header to SignedMailValidator.

Michael &lt;emfau&#064064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.

Trevor Perrin &lt;trevor&#064064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.

Markus Kilandering &lt;markus&#064064primekey.se&gt; several enhancements to TimeStampResponseGenerator.

Dario Novakovic &lt;darionis&#064064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.

Michael Smith &lt;msmith&#064064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio &lt;andrea.zilio&#064064gmail.com&gt; fix for PEM password encryption of private keys.

Alex Birkett &lt;alex&#064064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant &lt;waynedgrant&#064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis &lt;info&#064064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

Jan Dittberner &lt;jan&#064064dittberner.info&gt; addHeader patch for SMIME generator.

Bob McGowan &lt;boab.mcgoo&#064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.

Ivo Matheis &lt;i.matheis&#064seeburger.de&gt; fix to padding verification in ISO-9796-1.

Marco Sandrini &lt;nessche&#064064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.

Alf Malf &lt;alfilmalf&#064064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.

Alfonso Massa &lt;alfonso.massa&#064064insiel.it&gt; contributions to CMS time stamp classes.

Giacomo Boccardo &lt;gboccardo&#064064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.

Arnis Tartu &lt;arnis&#064064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.

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

Juri Hudolejev &lt;jhudolejev&#064064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.
<li>Liane Velten &lt;liane.velten&#064hjp-consulting.com&gt; fine tuning of code for DHParameters validation.</li>
<li>Shawn Willden &lt;swillden&#064google.com&gt; additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev &lt;kra achev&#064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking &lt;mickael.laiking&#064keynectis.com&gt; initial cut of EAC classes.</li>
<li>Tim Buktu &lt;tbuktu&#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
<li>Bernd &lt;rbernd&#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak &lt;stein.inge.morisbak&#064BEKK.no&gt; Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid &lt;andreas.schmid&#064tnctech.com&gt; Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz &lt;phil.steitz&#064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Par Petrov &lt;p.petrov&#064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick &lt;daniel.f.nwr&#064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson &lt;Andy.Neilson&#064quest.com&gt; a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw &lt;xiao.xj&#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth &lt;Eleriseth&#064WPECGLtybV18Rf6Y7Vzl2Lvd2EUWV99v3yNV3IWRQ8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny&#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AED.</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;pilf_b&#064yahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bdc&#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lidkeacute;n Borell &lt;samuel&#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.</li>
<li>Sergio Demian Lerner &lt;sergiolerner&#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington &lt;Tim.Whittington&#064orianhealth.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 CAST5 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 Zhoin &lt;zhoin&#064;mxr.ru&gt; patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiamov &lt;t5555d&#064;mail.ru&gt; initial cut of DVCS classes.</li>
<li>Damian Kolasa &lt;fatfredyy&#064;gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.</li>
<li>Ash Hughes &lt;ashley.hughes&#064;blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>
<li>Daniel Hirscher &lt;dev&#064;hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.</li>
<li>Daniele Ricci &lt;daniele.athome&#064;gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>
<li>Matti Aarnio &lt;matti.aarnio&#064;methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.</li>
<li>Babak Najafi &lt;bnajafi&#064;akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.</li>
<li>Eric Müller &lt;eric.mueller&#064;gmail.com&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.</li>
<li>Mathias Herberts &lt;mathias.herberts&#064;gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.</li>
<li>Daniil Ivanov &lt;daniil.ivanov&#064;gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.</li>
<li>Daniele Grasso &lt;daniele.grasso86&#064;gmail.com&gt; contributions to final Key calculation code for SRP6.</li>
<li>Andrey Utkin &lt;cindrhc&#064;gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>
<li>Arnis Tartu &lt;arnis&#064;ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
<li>AxelVDB &lt;axel-vdb&#064;riseup.net&gt; initial implementation of Shacal2.</li>
<li>Roberto Tiley &lt;rtiley@cc.gatech.edu&gt; further work on completing gradle build.</li>
<li>Waldemar Dick &lt;wdick@x500.org&gt; code improvement in x500 ASN.1 package.</li>
<li>Sid Steward &lt;sid.steward@x500.org&gt; code improvements to ASN1Boolean.</li>
<li>Alex Klyubin &lt;alex.klyubin@x500.org&gt; AlgorithmParameters check for EC key agreement.</li>
<li>Jonathan Gillett &lt;gsoc.student@x500.org&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
<li>Andreas Reiter &lt;andreas.reiter@x500.org&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
<li>Kieran Miller &lt;kieran.miller@x500.org&gt; initial implementation for RFC 5649 key wrap with padding.</li>
<li>Oliver Ehli &lt;ehli@x500.org&gt; Additional support for BSI plain ECDSA in the provider.</li>
<li>Daniel Heldt &lt;Daniel.Heldt@cryptovision.com&gt; Initial support for encodable state message digests.</li>
<li>Robert Bushman &lt;bouncycastle@x500.org&gt; Clean up of DirectKeySignature example.</li>
<li>Maurice Aarts &lt;maart@x500.org&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@x500.org&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
<li>Marco Schulze &lt;marco@x500.org&gt; Reported verification bug in GenericSigner.</li>
<li>Martin Schaef &lt;https://github.com/martinschaef&gt; contributed a code-cleanup patch.
<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&#064;064ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
<li>Hauke Mehrtens &lt;hauke&#064;064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.</li>
<li>Daniel Zimmerman &lt;dmz&#064;064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.</li>
<li>Jens Kapitza &lt;jt.kapitza&#064;064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Eklund &lt;joohan&#064;primekey.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&#064;064riseup.net&gt; Contributions to BCrypt/OpenBSD BCrypt, original version of Blake2b Digest.</li>
<li>Derek Atkins &lt;derek&#064;064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt;peto&#064;064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.</li>
<li>lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.</li>
<li>Thomas Belot &lt;thomas.belot+BC&#064;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>Jan Willem Janssen &lt;j.w.janssen+bouncycastle&#064;lxtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
<li>Benoit Charles &lt;benoit.charles&#064;opentrust.com&gt; Fix for IES data length check on decryption.</li>
<li>Matthias Edelhoff &lt;Matthias.Edelhoff@cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
<li>Lukasz Deputat &lt;lukasz.deputat@064gmail.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].</li>
<li>Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGObjectFactory to handle stream packets at start of iterated data.</li>
<li>André Berenguel &lt;https://github.com/berenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>
<li>Slawomir Jarankowski &lt;https://github.com/slawa.kjaranowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.</li>
<li>Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.</li>
<li>William Glanton &lt;wglanton77@064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].</li>
<li>jdvorak001 &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.</li>
<li>Joseph Naegle &lt;jnaegle@064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>
<li>Andrew Bonventre &lt;https://github.com/andybons&gt; NullPointer patch for WNaFUtil.</li>
<li>The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.</li>
<li>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.</li>
<li>Joerg Senekowitsch &lt;joerg.senekowitsch@veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>
<li>Alexandr Krivoshta &lt;wipe@064ya.ru&gt; N4 calculation fix to GOFB mode.</li>
<li>Artem Storozhuk &lt;storoji72@064gmail.com&gt; N4 calculation fix to GOFB mode.</li>
<li>Na Yu &lt;na.yu@064samsung.com&gt; Constructor patches to CMC PKIData.</li>
<li>Evangelos Karatsiolis &lt;ekaratsiolis@064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
<li>VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.</li>
<li>mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCEncryptedDataGenerator.</li>
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@064stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.</li>
<li>didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.</li>
<li>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.</li>
<li>Artem Storozhuk &lt;storoji72@064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>
<li>Andreas Glaser &lt;andreas.glaser@064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.</li>
<li>codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>
<li>FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.</li>
<li>4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.
ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.

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

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

Scott Woodward &lt;scott@064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.

David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPRT bounds checking.

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

ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.

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

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

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

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

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

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

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

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

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

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

grieu &lt;fgrieu#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.

MTG &lt;https://github.com/mttag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.

Andreas Gadermaier &lt;up.gadermaier#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.

Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.

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


Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.

sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.

Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.

Gilis95 &lt;https://github.com/Gilis95&gt; improved JSSE compatibility for setEnabledCipherSuites.

Haemin Yoo &lt;https://github.com/yoohaemin&gt; JavaDoc fixes.

Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIEngine.

Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.
<li>Moses Palm&aelig;r, TrueSec &lt;Henrik.Palmer&#064;truesec.se&gt; Additional improvements to constant time comparisons.</li>
<li>Ren&eacute; Korthaus&lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>
<li>THausherr&amp;lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>
<li>Gaylor Bosson&lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</li>
<li>gaellalire&amp;lt;https://github.com/gaellalire&gt; Patch for unprotected PGP private keys as SExpr.</li>
<li>im-scooter&amp;lt;https://github.com/im-scooter&gt; Patch for case-insensitive behaviour of Param-Z.</li>
<li>Nick hitchan&amp;lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>
<li>dbusche&amp;lt;https://github.com/dbusche&gt; Argon2 optimisations.</li>
<li>Daniel Heldt&amp;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&amp;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/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &gt;Tobias&#064;pentagrid.ch&lt; Identification of 1.63 regression in ASN.1 parsing.</li>
</ul>

1.522 grep 3.3 1

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1.529 neo4j import tool 3.5.12

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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
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1.537 xnio-nio 3.3.8

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1.539 runit 2.1.2 25

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1.540 jctools-core 2.0.2

1.541 spring-expression 5.2.1

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1.549 flyway-core 6.0.8

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import org.flywaydb.core.api.FlywayException;

/**
 * Thrown when an attempt was made to use a Flyway Pro or Flyway Enterprise Edition feature not supported by
 */
public class FlywayProUpgradeRequiredException extends FlywayException {
    public FlywayProUpgradeRequiredException(String feature) {
        super(Edition.PRO + " or " + Edition.ENTERPRISE + " upgrade required: " + feature
            + " is not supported by " + Edition.COMMUNITY + ",");
    }
}

package org.flywaydb.core.internal.license;

/**
 * The various editions of Flyway.
 */
public enum Edition {
    COMMUNITY("Community"),
    PRO("Pro"),
private final String description;

Edition(String name) {
    this.description = "Flyway " + name + " Edition";
}

public String getDescription() {
    return description;
}

@Override
public String toString() {
    return description;
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package org.flywaydb.core.internal.license;

import org.flywaydb.core.api.FlywayException;
import org.flywaydb.core.internal.jdbc.DatabaseType;

/**<*/
* Thrown when an attempt was made to migrate an older database version no longer supported by this Flyway
* edition.
*/
public class FlywayEditionUpgradeRequiredException extends FlywayException {
    public FlywayEditionUpgradeRequiredException(Edition edition, DatabaseType databaseType, String version) {
        super(edition + " or " + databaseType + " upgrade required: " + databaseType + " " + version
                + " is no longer supported by " + VersionPrinter.EDITION + "," + " but still supported by " + edition + ",");
    }
}
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import org.flywaydb.core.api.FlywayException;
import org.flywaydb.core.api.logging.Log;
import org.flywaydb.core.api.logging.LogFactory;
import org.flywaydb.core.internal.util.DateUtils;
import org.flywaydb.core.internal.util.FileCopyUtils;
import java.io.IOException;
import java.nio.charset.StandardCharsets;
import java.util.Date;

/**
 * Prints the Flyway version.
 */
public class VersionPrinter {
    private static final Log LOG = LogFactory.getLog(VersionPrinter.class);
    private static final String version = readVersion();
    private static boolean printed;

    public static final Edition EDITION =

        Edition.COMMUNITY;

    public static void printVersion(

    ) {
        if (printed) {
            return;
        }
        printed = true;

        printVersionOnly();
    }

/**
 * Prevents instantiation.
 */
private VersionPrinter() {
    // Do nothing.
}

/**
 * Prints the Flyway version.
 */
public static void printVersionOnly();
public static void printVersionOnly() {
    LOG.info(EDITION + " " + version + " by Redgate");
}
private static String readVersion() {
    try {
        return FileCopyUtils.copyToString(
            VersionPrinter.class.getClassLoader().getResourceAsStream("org/flywaydb/core/internal/version.txt"),
            StandardCharsets.UTF_8);
    } catch (IOException e) {
        throw new FlywayException("Unable to read Flyway version: " + e.getMessage(), e);
    }
}

1.550 pax-utils 1.2.3 r0
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1.552 p11-kit 0.23.9-2

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val x: ((Int, Int) => Int) = (((a, b)) => a)

val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)

val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)

three errors found
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1.554 error-prone-annotations 2.3.3

1.555 cas server support ldap core 5.2.0

1.556 jline-style 3.9.0

1.557 startpar 0.61 1

1.557.1 Available under license:

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1.563 yang-model-export 2.1.11

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1.564 mlocate 0.26-2ubuntu3.1

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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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---------------------------------------------
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1.569 jackson-jaxrs-json-provider 2.3.3

1.569.1 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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1.570 hazelcast-client 3.12.1
1.571 jQuery-Cookie 1.4.1

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1.572 Jline 2.14.3

1.573 Threads 0.0.14

1.574 Apache Karaf-Client 4.2.2

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1.575 alpine-baselayout 3.1.2 r0

1.576 hawtbuf 1.11

1.577 hibernate 5.3.9

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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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 *
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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) {
    this.access = access;
}

package org.hibernate.test.type.contributor;

import java.util.Arrays;
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) {
        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) {
        // Implementation...
    }
}
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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 */

//$Id: 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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public class LatestAndGreatestConnectionProviderImplContributor1 implements ServiceContributor {
    @Override
    public void contribute(StandardServiceRegistryBuilder serviceRegistryBuilder) {
        serviceRegistryBuilder.addService(
            ConnectionProvider.class,
            new LatestAndGreatestConnectionProviderImpl());
    }
}

/* Hibernate, Relational Persistence for Idiomatic Java */
// $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>.
     */

package org.hibernate.test.type.contributor;

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.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 class ArrayTypeContributorTest 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();
    });
}
@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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/
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*/

//$Id$
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) {
        // here we will register a short-name for our service strategy
        strategyselector selector = serviceregistrybuilder
            .getbootstrapserviceregistry().
            getservice(strategyselector.class);

        selector.registerstrategyimplementor(
            connectionprovider.class,
            "lag"
            latestandgreatestconnectionproviderimpl.class
        );
    }
}

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```java
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 );
    }
```

---

Open Source Used In Crosswork Optimization Engine 1.15827
@Override
public String getName() {
    return "comma-separated-array";
}

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1.579 netlink 1.5.2 0.7.git269f928.el7

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1.581 lapack 3.9.0-r1

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1.582 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 java.util.ArrayList;
import java.util.Collection;
import java.util.List;
import static java.util.Collections.*;
import static joptsimple.internal.Strings.*;
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.valueOf( 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();
}
}
1.584 jackson-jaxrs-base 2.9.10

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1.585 conntrack-tools

1.4.4+snapshot20161117 5

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Maik Hentsche <netfilter@mm-double.de>:

- Feedback & Brainstorming
- Bug hunting

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1.592 neo4j spatial index 3.5.4

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

<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.603 go-restful 1.5.2 0.7.git269f928.el7
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1.604 jolokia-core 1.6.2

1.604.1 Available under license:

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Version 2.0, January 2004

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

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If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the ``with@dots{}Texts.'' line with this:

```
@smallexample
@group
with the Invariant Sections being @var{list their titles}, with
the Front-Cover Texts being @var{list}, and with the Back-Cover Texts
being @var{list}.
@end group
@end smallexample
```

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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

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1.624 jackson-databind 2.3.3
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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.631 websocket-api 9.4.12.v20180830

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1.640 openssh 7.6

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* *
* 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>
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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 int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#define POLLYIP0x0010
#define POLLNVAL0x0020

#if 0
    /* the following are currently not implemented */
    #define POLLPRI0x0002
    #define POLLRDNNORM0x0040
    #define POLLNORMPOLLRDNNORM
    #define POLLRWNORM POLLYIP
    #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 WCOREDUMP(w) (_W_INT(w)) & WCOREFLAG
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */

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#include <sys/param.h>

#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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Version 3.1, 31 March 2009

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its purpose remains meaningful.

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That's all there is to it!

` Automatically generated by Pod::Man 4.11 (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
.. .nf
.. .ne \$1
.. .. \de Ve \" End verbatim text
.. .ft R
\(\text{l'\text{""} Set up some character translations and predefined strings. }\text{\text{"--} will }\text{\text{"R" will give a left double quote, }\text{\text{"C+ will give a nicer C++.}\text{\text{"C} expand to `' in nroff, }\text{\text{"C} nothing in troff, for use with C<>.\text{\text{"W}– will give an unbreakable dash, }\text{\text{"L will give pi, }\text{\text{"(PI will give pi, }\text{\text{"(L will give a left double quote, and }\text{\text{"(R} will give a right double quote.}\text{\text{"(C+ will give a nicer C++.}\text{Capital omega is used to do unbreakable dashes and therefore won’t be available.}\text{\text{"(C} and }\text{\text{"(C} expand to ‘‘ in nroff,}\text{nothing in troff, for use with C<>.}}\text{\tr \text{"W}–.}\\\text{\ds C+ C\text{"‘.1v\text{"h‘-1p\text{"s-2+h‘-1p‘+\text{"s0v‘.1v\text{‘h‘-1p‘}\\\text{\ie n \text{"\{\text{\ds -- \text{"W}–.}\\\text{\ds PI pi}\\\text{\if (\text{\text{l’}\text{"(H=4u)}&(1m=24u)} \text{\ds -- }\text{\text{"W}–.12u\text{"(\text{\text{"W}–.12u\text{"‘ diablo 10 pitch}\\\text{\if (\text{\text{l’}\text{"(H=4u)}&(1m=20u)} \text{\ds -- }\text{\text{"W}–.12u\text{"(\text{\text{"W}–.8u\text{‘ diablo 12 pitch}\\\text{\ds L“}’”}\\\text{\ds R“}’”}\\\text{\ds C“}’”}\\\text{\ds C“}’”}\\\}’\text{br\}}\\\text{\el\{\}’}\\\text{\ds -- }\text{\text{l\text{"(em\|}}\\\text{\ds PI \text{"p}\\\text{\ds L“}’”}\\\text{\ds R“}’”}\\\text{\ds C“}\\\text{\ds C“}\\\}’\text{br\}}\\\text{\l’}\\\text{\text{" Escape single quotes in literal strings from groff’s Unicode transform.}\\\text{\ie }\text{\text{l’}\text{"(g .ds Aq \text{"(aq}\\\text{\el } \text{\ds Aq \text{"}’}\\\text{\l’}\\\text{\text{" If the F register is >0, we’ll generate index entries on stderr for}\\\text{\text{"l’} titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index}\\\text{\text{\text{"l’} entries marked with X<>> in POD. Of course, you’ll have to process the}\\\text{\text{\text{"l’} output yourself in some meaningful fashion.}\\\text{\l’}\\\text{\text{" Avoid warning from groff about undefined register ‘F’.}\\\text{\de IX}\\\text{\nr rF 0}\\\text{\if }\text{\text{l’}\text{"(g .if rF .nr rF 1}\\\text{\if }\text{\text{l’}}\text{\text{(rF:(\text{l’}(\text{\text{l’}(3F=0))} }\text{\text{"}\text{\text{"}}}\\\text{\if }\text{\text{l’ll}’}\\\text{\de IX}\\\text{\tm Index:\\text{"S1\\\text{\n%t\text{"\S2}}\\\}’}
if F==2 {
    if 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 #I \f1
    ds #P \fP
}
if t {
    ds #H ((1-u-(w(\n(.fu%2u))*.13m)
    ds #V .6m
    ds #F 0
    ds #I \&
    ds #P \&
}
" simple accents for nroff and troff
if n {
    ds ` \&
    ds ` \&
    ds ^ \&
    ds , \&
    ds ~ ~
    ds /
}
if t {
    ds \k:\h'-(w(\n(.wu*8/10-*(#H)\v'\n:\h'\n:u'
    ds \k:\h'-(w(\n(.wu*8/10-*(#H)\v'\n:\h'\n:u'
    ds \k:\h'-(w(\n(.wu*10/11-*(#H)\v'\n:\h'\n:u'
    ds \k:\h'-(w(\n(.wu*8/10)'\h'\n:u'
    ds \k:\h'-(w(\n(.wu*8/10-*(#H)\v'\n:\h'\n:u'
    ds \k:\h'-(w(\n(.wu*8/10-*(#H)\v'\n:\h'\n:u'
}
" troff and (daisy-wheel) nroff accents
    ds : \k:\h'-(w(\n(.wu*8/10-*(#H\v'\n:\h'\n:u'
    ds : \k:\h'-(w(\n(.wu*8/10-*(#H\v'\n:\h'\n:u'
    ds d- \h'*(#H)(p\n:\h' \w'-.25m\fP\w'.25m\h'\w'-.25m\f2(\hy\fP\w'.25m\h'\w'-.25m\f11m\h'\n:u'
    ds D- D\k:\h'-(w(\n(.wu*8/10-*(#H)\v'\n:\h'\n:u'
    ds D- D\k:\h'-(w(\n(.wu*8/10-*(#H)\v'\n:\h'\n:u'

IX Title "GPL 7"
.TH GPL 7 "2019-02-22" "gcc-8.3.0" "GNU"

"For nroff, turn off justification. Always turn off hyphenation; it makes
"way too many mistakes in technical documents.
.if n .ad 1

.SH "NAME"

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.IP "a." 4
.IX Item "a."
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.IX Item "b."
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.IP "c." 4
.IX Item "c."
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.IP "d." 4
.IX Item "d."
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.IP "e." 4
.IX Item "e."
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\*\* 2
\&\&\&\&\&\&\&\&\&        <one line to give the program\*(Aq's name and a brief idea of what it does.>
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\&\&\&\&\&\&\&\&\&        This program is free software: you can redistribute it and/or modify
\&\&\&\&\&\&\&\&\&        it under the terms of the GNU General Public License as published by
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\&.Ve
\&.PP
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\&.PP
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\*\* 4
\&\&\&\&\&\&\&\&\&        <program> Copyright (C) <year> <name of author>
\&\&\&\&\&\&\&\&\&        This program comes with ABSOLUTELY NO WARRANTY; for details type "show w".
\&\&\&\&\&\&\&\&\&        This is free software, and you are welcome to redistribute it
\&\&\&\&\&\&\&\&\&        under certain conditions; type "show c" for details.
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# 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:
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 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
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-.]'

        # 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\+\([^Cc\]\))'  
    '([Cc]opyright\%s'  
    '([Cc]opyright\&copy;'  
    '([Cc]opyright\@copyright{ })'  
    'copyright = u"'  
    '@set\+\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 + '(?:' + 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:
cannon_form = holder
self.holders[holder] = cannon_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):
        return years
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 [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:
    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)

# TopLevelFilter

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',
        )
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',
        ")
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('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 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 ('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 ('libce1')
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 ('libtv')
self.add_dir ('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libce1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
    'libobjc',
    'libssp',
    'libstdc++-v3',
    'maintainer-scripts',
    'zlib']

Open Source Used In Crosswork Optimization Engine 1.16183
'libvtv',
'ito-plugin',
]

GCCCmdLine().main()
==============================================================================

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Developed by:

LLVM Team

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_override</td>
</tr>
</tbody>
</table>

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Version 2.1, February 1999

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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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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.648 jooq 3.10.2

1.649 pax-swissbox-property 1.8.2

1.650 pax-cdi-jetty-openwebbeans 1.0.0

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1.681 python 3.6.8 1~18.04.3

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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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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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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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---------

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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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-------

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<td>2.1.1</td>
<td>2001-now</td>
<td>PSF</td>
<td>yes</td>
</tr>
</tbody>
</table>

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ProgressBar class is based on the original ProgressBar by Satoru Takabayashi.

Ruby/ProgressBar - a text progress bar library

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Website:: http://highline.rubyforge.org

The terminal extensions are based on HighLine's SystemExtensions
by James Edward Gray II.

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by James Edward Gray II and Greg Brown.
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== Rainbow (XTerm Color Support)

Copyright:: (c) Marcin Kulik
License:: {MIT}[http://spdx.org/licenses/MIT]
Website:: http://github.com/sickill/rainbow

Rainbox provided the bases for building the XTerm 256 color code support into the ANSI::Code module.

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=== Paint

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Website:: https://github.com/janlelis/paint

Some of the latest ANSI code names, and inspiration to check out Rainbow and include XTerm 256 color codes, came from Paint.

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=== ANSIColor

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Website:: http://flori.github.com/term-ansicolor

Albeit the code no long bares much if any resemblance to it, the ANSI Code module (and subsequently the Constants module) originated with the ANSIColor library by Florian Frank.

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1.690 dom4j 2.1.1

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1.693 xbean-asm-util 4.6

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

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

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

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

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

## Shared library options
LD_SOOPTIONS= -Wl,-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 $@ $<
```

Open Source Used In Crosswork Optimization Engine 1.16568
## 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 =

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Eclipse

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

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

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

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Oracle

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

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

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.709 commons-configuration 1.10

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Whether this is true is especially significant if the work can be
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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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work. (Executables containing this object code plus portions of the
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1.728 deltaspik-partial-bean-module-impl

1.8.1

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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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lecker@#064buetterchen.de, Charles Proxy, Gunny Mills, Morgan Le Douget, Ben Whitaker, and Emilio Navarrete Lineros.

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Organisations

- Holders of [Crypto Workshop Support Contracts](https://www.cryptoworkshop.com). Without the consulting time left over from support contracts being contributed back to working on the Bouncy Castle APIs, progress would be impossible. You know who you are!
- [Atlassian Software Systems](http://www.atlassian.com) donation of Confluence and JIRA licences.
- [Grier Forensics](http://www.grierforensics.com), for collaborating in the development of the S/MIME Toolkit and DANE SMIMEA functionality.
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the supervision of Prof. Dr. Johannes Buchmann. More information on the history of FlexiProvider can be found at: http://www.flexiprovider.de/

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Core Infrastructure Initiative - financial support towards developing the TLS API and JSSE provider.

Micro Focus - additional support towards further developing the TLS/DTLS API and the BCJSSE provider.

People

Tito Pena &lt;Fortunato.Pena&#064;AdNovum.CH&gt; - initial RC5 implementation

Michael Lee &lt;yfl&#064;mira.net&gt; - initial RC6 implementation, MD2 implementation

Nuno Santos &lt;nsantos&#064;student.dei.uc.pt&gt; - finding toString bug in certificate object.

Brett Sealey &lt;bretts&#064;mortbay.com&gt; - fixing the missing return problem in JDKKeyFactory (affected SSLeay private keys).

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.

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).

Jonathan Knudsen &lt;jonathan&#064;LearningPatterns.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

Markus Niedermann &lt;markus.niedermann&#064;softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

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.

Soren Hilmer &lt;hilmer&#064;mail.tele.dk&gt; - initial implementation of netscape certificate request classes.

Uwe Guenther &lt;uwe&#064;csc.de&gt; - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes.

Markus Bradtke &lt;mab&#064;informatik.uni-kiel.de&gt; - fixing of a logic error in the JDKKeyStore class.

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;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 <a href="http://sourceforge.net/projects/jcf/">http://sourceforge.net/projects/jcf/</a></li>
\<li>Carmen Bastiaans &lt;cbastiaaa@#064;microbits.com.au&gt; - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store.\<li>
\<li>Tomass Gustavsson &lt;tomassg@#064;primekey.se&gt; - initial implementation of the AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason, CertificatePolicies, V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes.\<li>
\<li>Eugen Kuleshov &lt;euxx@hotmail.com&gt; - optimisations for Blowfish, assistance with PKCS12/keytool interoperability.\<li>
\<li>Megan Woods &lt;meganwoods@#064;sekurafile.com&gt; - initial implementation of ECIES.\<li>
\<li>Christian Geuer-Pollmann &lt;geuerp@#064;apache.org&gt; - adding IV's to the AESWrap implementations. Initial implementation of DESedeWrap.\<li>
\<li>Michael M@#252;hle &lt;michael@#064;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>
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\<li>Eike Recker &lt;eike.recker@#064;gmx.de&gt; - fixing misspelling of provider reference for RSA/1 and RSA/2.\<li>
\<li>Chris Southern &lt;CSouthern@#064;baltimore.com&gt; - fixing misuse of specified provider in the PKCS10 certification request class.\<li>
\<li>Sidney Markowitz &lt;sidney@#064;sidney.com&gt; - fixing null pointed exception on unknown OID in X509Name class, initial implementation of the three AES engines.\<li>
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\<li>Jess Garms &lt;jgarms@#064;yahoo.com&gt; - fixing 112/168 key size bug for DESede key generation.\<li>
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\<li>Stef Hoeben &lt;ilsestef@#064;skynet.be&gt; - adding Montgomery multiplication to the BigInteger class.\<li>
\<li>Klaudiusz Ciosk &lt;kciosk@#064;max.com.pl&gt; - improving the compatibility of
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- Don Hillsberry &lt;hillsberry@qispayments.com&gt; - S/Mime testing and debugging.

- Kazuo Furuya &lt;furuya@infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.

- Jason Novotny &lt;jdnovotny@lbl.gov&gt; - initial work on the OpenSSL PEM processing.

- Joel Hockey &lt;joel.hockey@qispayments.com&gt; - initial work on the OpenSSL PEM processing.

- John Steenbruggen &lt;johns@geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.

- Thomas Houtekier &lt;Thomas.Houtekier@tectrade.net&gt; - S/Mime testing and debugging.

- Don Hillsberry &lt;hillsberry@qispayments.com&gt; - S/Mime testing and debugging.

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- Joel Hockey &lt;joel.hockey@qispayments.com&gt; - initial work on the OpenSSL PEM processing.

- John Steenbruggen &lt;johns@geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.

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- Compliance of KeyUsage extension return value with security API.

- Sascha Weinreuter &lt;Sascha.Weinreuter@cit.de&gt; - fixed SMIME saveChanges() bug.

- Andre Wehnert &lt;aw5@qispayments.com&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.

- Luigi Lo Iacono &lt;l_lo_iacono@nue.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.

- Tim Sakach &lt;tsakach@certivo.net&gt; - SMIME v2 compatibility patches.

- Marcus Povey &lt;mpovey@qispayments.com&gt; - adding the PGP mode to the lightweight API and the provider.

- Sebastian Clauß &lt;sc2@inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.

- Nicolas Bielza &lt;nicolas.bielza@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 SMIME classes.

- Casey Marshall &lt;rsdio@qispayments.com&gt; - fixing the clone problem with Macs in the clean room JCE.

- Rick Zeldes &lt;rick.zeldes@eds.com&gt; - initial code for CMS/SMIME CompressedData.

- Jarek Gawor &lt;jarek.gawor@acs.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.

- Brett Neumeier &lt;brett@qispayments.com&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64.

- Graham Coles &lt;graham.coles@qispayments.com&gt; - patch to isParityAdjusted in DESKeySpec.

- J&ouml;rn von Kattche&lt;e &lt;J.Kattchee@qispayments.com&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.

- Matteo Artuso &lt;matartuso@qispayments.com&gt; - picking up the possible overread in ASN1InputStream.

- Julian Morrison &lt;julian@extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.

- Elmar Sonnenschein &lt;es@qispayments.com&gt; - fix to long conversion in clean room SecureRandom.

- J&ouml;rn Schwarz&lt;e &lt;JSchwarz@eds.com&gt; - Locale fix for the clean room JCE.

- Bryan Lovquist &lt;bl@qispayments.com&gt; - Other provider compatibility fixes for CMS signing.

- Artem Portnoy &lt;Artem.Portnoy@qispayments.com&gt; - generalisations for CMSProcessableBodyPart in SMIME. Header fix for mime messages.

- Michael H&auml;usler &lt;hausler@ponton-consulting.de&gt; - missing OID update for SHA1 with RSA Signature.
Johan Seland &lt;johans@#064netfonds.no&gt; - general toString for BigInteger class.

Johannes Nicolai &lt;johannes.nicolai@#064novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.

Marc Doberva &lt;marc.doberva@#064ilex-si.com&gt; - help in isolating the JSSE/BC RSA key issue.

Jan Dvorak &lt;jan.dvorak@#064mathan.cz&gt; - initial implementation of the light weight RSA issue.

Joe Cohen &lt;jcohen@#064forumsys.com&gt; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.

Chris Long &lt; aclong@#064ecu.edu&gt; - adding public key decoding to PEMReader.

Hes Siemelink &lt;hes@#064izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.

Stefan Puiu &lt;stefanpuiuro@#064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.

Kaiser Yang &lt;kaiseryang@#064@yahoo.com&gt; - Finding BigInteger loop problem in prime generation.

Jiri Urbaneck &lt;jiri.urbaneck@#064logicacmg.com&gt; - patch to fix defect in DERBMPString.equals().

Justin Kolb &lt;jkolb@#064pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.

Ralf Hauser &lt;ralfhauser@#064gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X.509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.

Michal Dvorak &lt;m_Dvorak@#064kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.

Klaus Greve Fiorentini &lt;Klaus@#064cpqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.

Olivier Refalo &lt;Olivier_Refalo@#064fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData objects.

Mariusz Bandola &lt;mariusz.bandola@#064cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.

Brien Oberstein &lt;brien.oberstein@#064transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.

Ian Haywood &lt;ian@#064haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.

Jonathan Edwards &lt;js4gull@#064mac.com&gt; - initial support for reading multiple rings from a PGP key file.

Andrew Thornton &lt;andrew@#064cared.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.

Gregor Leander &lt;gl@#064bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.

Antoon Bosselaers &lt;Antoon.Bosselaers@#064esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.

Peter Sylvester &lt;Peter.Sylvester@#064edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.

Doug &lt; ummmm@#064myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.

Francois Staes &lt;fstaes@#064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.

W.R. Dittmer &lt;wdittmer@#064.cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKKeyPair to fix nullpointer exception.

Perez Paz Luis Alberto &lt;laperez@#064banxico.org.mx&gt; - patch to use of BitString in X.500 name.

James Wright &lt;James_Wright@#064harte-hanks.com&gt; - patches for dealing with "odd"
Jim Ford &lt;jim@#064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.

Michael Hausler &lt;haeusler@#064ponton-consulting.de&gt; - extra aliases for provider.

Sai Pullabhotla &lt;psai@#064linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.

Joseph Miller &lt;joseph@#064digivweb.net.nz&gt; - addition of ZeroBytePadding.

Lars &lt;xyz@#064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.

Jeroen van Vianen &lt;jeroen@#064vanvianen.nl&gt; - the Signed and Encrypted mail example.

Jun Sun &lt;JSun@#064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

Petr Dukem &lt;pdukem@#064-email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

Filipe Silva &lt;filipe.silva@#064wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.

Alpesh Parmar &lt;alps@#064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().

Jay Gengelbach &lt;jgengelbach@#064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.

Doug &lt;#064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.

Matthew Mundy &lt;mmundy1@#064umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.

Tom Cargill &lt;cargill@#064profcon.com&gt; - spelling patch in provider.

Breitenstrom Christian &lt;C.Breitenstrom@#064-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Zanotti Mirko &lt;#064cad.it&gt; - patch to ordered equality test for X509Name.

Nicola Scendoni &lt;nscendoni@#064babelps.it&gt; - patch to add sorting to CertPath validation.

Ville Skyttä &lt;ville.skytta@#064iki.fi&gt; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

Bruce Gordon &lt;bruce.gordon@#064savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley &lt;Miles.Whiteley@#064savvis.net&gt; - "223" fix for BCPGInputStream new packets.

Albert Moliner &lt;amoliner@#064evintia.com&gt; - initial TSP implementation.

Carlos Lozano &lt;carlos@#064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javier Delgadillo &lt;#064javai.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala &lt;#064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IfetAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www-egee.org"&gt;EGEE project&lt;/a&gt; for making the work available.

Rolf Schillinger &lt;#064sr-wum.de&gt; - initial implementation of Attribute Certificate generation.

Sergey Bahtin &lt;#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;francock. Leroy@#064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.
Open Source Used In Crosswork Optimization Engine 1.16909

Atsuhiko Yamanaka &lt;ymnk@jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

Nickolay Bolshackov &lt;tyrex@reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer &lt;soren.hilmer@tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.

Steve Mitchell &lt;mitchell@intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.

Julien Pasquier &lt;julienpasquier@free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.

Matteo &lt;matartuso@libero.it&gt; - sequence patch to ASN1Dump.

Andrew Paterson &lt;andrew.paterson@burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.

Vladimir Molotkov &lt;vladimir.n.molotkov@intel.com&gt; - extensive provider exception handling compliance testing.

Florin Kollan &lt;adlocflo@web.de&gt; - fix to ElGamalKeyParameters equality testing.

Pavel Vassiliev &lt;paulivas@064gmail.com&gt; - Initial GOST28147Mac implementation.

Tom Pesman &lt;tom@064tnux.net&gt; - addition of DES-EDC encryption for RSAPrivate keys to PEMWriter.

Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.

Arndt Hasch &lt;Arndt.Hasch@maxence.de&gt; - additional fix for partial reading with new style PGP packets.

Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.

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

Mike Dillon &lt;md5@embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.

tu-vi cung &lt;t2cung@hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.

Chris Schultz &lt;cschultz@064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.

David M. Lee &lt;dmlee@Crossroads.com&gt; - implementation assistance with streaming CMS classes.

Joel Rees &lt;rees@064dcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.

Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.

Larry Bugbee &lt;lbugbee@064mac.com&gt; - initial ECNR implementation.

Remi Blancher &lt;Remi.Blancher@064keynecit.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.

Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.

Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - 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.

David Josse &lt;david.josse@transacttools.net&gt; - Patch for trailer function in version 2 signature packets.

Kishimoto Kazuhiko &lt;kazu-k@kazu-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.

Lawrence Tan &lt;lwrntan@604gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.

Carlos Valiente &lt;superdupont@604gmail.com&gt; - Addition of CRL writing to the PEMWriter class.

Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch">http://www.keyon.ch</a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.

Olaf Keller, &lt;olaf.keller.bc@064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

Jörg Eichhorn &lt;joehotmail@eichhorn@604ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.

Karsten Ohme &lt;widerstand@604t-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 types 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 implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

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

John Alfred Prufrock &lt;j.a.prufrock@604gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen &lt;stefan.neusatz@604gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice &lt;mlogiudice@604gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold &lt;georg.lippold@604gmx.de&gt; - initial implementation of NaccacheStern cipher.

Chris Viles &lt;christ_viles@604yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.

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


Maria Ivanova &lt;maria.ivanova@604gmail.com&gt; - support for tags > 30 in ASN.1 parsing.

Armin H&uuml;blerling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX
validation classes.</li>
<li>Marius Schilder &lt;mschilder@064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
<li>Xavier Le Vouch &lt;xavier@064britannysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews@064cde.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;rjoaquim@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;juliustdavies@064gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Matthias &lt;g@064rtner.de&gt; - GnuPG compatibility changes for PBEMFileProcessor.</li>
<li>Olga K&auml;uml;ther &lt;olga.kaethler@064hp-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&uuml;aurea Mar&iacute; &lt;ria.marinae@064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
<li>Janis Schuller &lt;js@064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;mike@064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mtjohn@064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller@064mx.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;jl.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;pknop@064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdz &lt;j.gwozdz@064p.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski &lt;bmalk@064tigase.org&gt; - initial implementation of VMPC cipher, VMPRandomGenerator, VMPMac.</li>
<li>Tal Ya&obi &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.
Matthew Stevenson &lt;mavricknz@#064yahoo.com&gt; - patch to constructor for CRMF CertSequence.

Gabriele Contini &lt;gcontini@#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.

Roelof Naude &lt;roelof.naude@#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck@#064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

Michael LeMay &lt;lemaymd@#064lemaymd.com&gt; - identified problem with EAX [#BJA-93].

Alex Dupre &lt;ale@#064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102].

Michael Schoene &lt;Michael@#064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().

Ion Larrañagaga @&lt;ilarra@#064s21sec.com&gt; - fix to default partial packet generation in BCPOutputStream.


Stefan Meyer &lt;stefan.meyer@#064ewe.de&gt; - backport for PKIXCertPathValidator and SMIMESignedMailReviewer.

Robert J. Moore &lt;Robert.J.Moore@#064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.

Rui Hodai &lt;rui@#064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.

Emir Bucalovic &lt;emir.bucalovic@#064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Torbjorn Svensson &lt;torbe79@#064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick &lt;p@bouncycastle_pfitz.com&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCS/StrictStyle.

Henrik Andersson &lt;k.henrik.andersson@#064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.

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

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

Pedro Henriques &lt;p@pmahenriques@#064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEP/Encoding.

Lothar Kimmenerger &lt;l@#064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for S/MIME API.

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

Elisabetta Romani &lt;elisabetta.romani@#064ensg.eu&gt; - patch for recognising multiple counter signatures.

Robin Lundgren &lt;r@#737lundgren@#064gmail.com&gt; - CMPCertificate constructor from X509CertificateStructure fix.

Petr Kadlec &lt;m@mormegil@centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-256.

Andreas Antener &lt;antener_a@#064gmx.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.

Harendra Rawat &lt;hsrawat@#064yahoo.com&gt; - fix for BERConstructedOctetString.

Rolf Lindemann &lt;lindemann@#064trustcenter.de&gt; - patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].

Alex Artamonov &lt;alexart.home@#064gmail.com&gt; - name look up patch for GOST-2001 parameters.

Mike Lyons &lt;m@#064layer7tech.com&gt; - work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.
Chris Cole &lt;chris_h_cole@#064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.

Tomas Krivanek &lt;tom@#064attack.cz&gt; added checking of Sender header to SignedMailValidator.

Michael &lt;emfauf@#064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.

Trevor Perrin &lt;trevor@#064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.

Markus Kil@rings.s &lt;markus@#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.

Dario Novakovic &lt;darionis@#064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.

Michael Smith &lt;msmith@#064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.

Andrea Zilio &lt;andrea.zilio@#064gmail.com&gt; fix for PEM password encryption of private keys.

Alex Birkett &lt;alex@#064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].

Wayne Grant &lt;waynedgrant@#064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.

Frank Cornelis &lt;info@#064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.

Jan Dittberner &lt;jan@#064dittberner.info&gt; addHeader patch for SMIME generator.

Bob McGowan &lt;boab.mcgoo@#064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.

Ivo Matheis &lt;ti.matheis@#064seeburger.de&gt; fix to padding verification in ISO-9796-1.

Marco Sandrini &lt;messche@#064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.

Alf Malf &lt;alfilmalf@#064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.

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

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

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

Janusz Sikociiski &lt;J.Sikociiski@#064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.

Juri Hudolejev &lt;jhudolejev@#064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.

Liane Velten &lt;liane.velten@#064hpj-consulting.com&gt; fine tuning of code for DHParameters validation.

Shawn Willden &lt;swillden@#064google.com&gt; additional functionality to PGPKKeyRing.

Atanas Krachev &lt;akrachev@#064gmail.com&gt; added support for revocation signatures in OpenPGP.

Mickael Laiking &lt;mickael.laiking@#064keynectis.com&gt; initial cut of EAC classes.

Tim Buktu &lt;tbuktu@#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.

Bernd &lt;rbernd@#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.

Steing Inge Morisbak &lt;stein.inge.morisbak@#064BEKK.no&gt; Test code for lower case Hex data in PEM headers.

Andreas Schmid &lt;andreas.schmid@#064tnigtech.com&gt; Additional expiry time check in PGPPublicKeys.

Phil Steitz &lt;phil.steitz@#064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.

Ignat Korchagin &lt;ignat.korchagin@#064gmail.com&gt; Initial implementation of DSTU-4145-2002, long

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

Daniel Fitzpatrick &lt;daniel.f.nwr#064gmail.com&gt;: Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

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

Ted Shaw &lt;xiao.xj#064gmail.com&gt;: patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Eleriseth &lt;Eleriseth#064WPECGL@ybVi8rI6YVz1Lvd2EUuVW99v3yNV3IWROG8.fms&gt;: speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root &lt;kenny#064the-b.org&gt;: patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.

Maarten Bodewes &lt;maarten.bodewes#064gmail.com&gt;: initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay &lt;pilf_b#064gyahoo.com&gt;: Initial implementation of J-PAKE.

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.

Samuel Lid&eacute;n Borell &lt;samuel#064primekey.se&gt;: patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner &lt;sergiolerner#064certimix.com&gt;: pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington &lt;Tim.Whittington#064orionhealth.com&gt;: patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Nokeon 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 AESEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.

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.

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

Sergey Tiunov &lt;t5555d#064gmail.com&gt;: initial cut of DVCS classes.

Damian Kolasa &lt;fatfredyy#064gmail.com&gt;: ASN1Sequence patch for class cast issue in X9Curve.

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

Daniel Hirscher &lt;dev#064daniel-hirscher.de&gt;: patch to support parsing of explicit EC parameters in PEM files.

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

Matti Aarnio &lt;mati.aarnio#methics.fi&gt;: tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.
Babak Najafi &lt;bnajafi@gmail.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.

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

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

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

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

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

Arnis Tartu &lt;arnis@gmail.com&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.

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

Roberto Tyley &lt;rob@roberto.tyley.de&gt; further work on completing gradle build.

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

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

Alex Klyubin &lt;klyubin@Oregon State University, USA&gt; AlgorithmParameters check for EC key agreement.

Jonathan Gillett &lt;gsoc.student@gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.

Andreas Reiter &lt;andreas.reiter@iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

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

Oliver Ehli &lt;ehli@604arago.de&gt; Additional support for BSI plain ECDSA in the provider.

Daniel Heldt &lt;Daniel.Heldt@cryptovision.com&gt; Initial support for encodable state message digests.

Robert Bushman &lt;bouncycastle@604traxel.com&gt; Clean up of DirectKeySignature example.

Maurice Aarts &lt;naart0@604riscure.com&gt; updated to KDF generator to follow NIST SP 800-108.

Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.

KB Sriram &lt;mail_kb@yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.

Marco Schulze &lt;marco@604nightlabs.de&gt; Reported verification bug in GenericSigner.

Martin Schaefer &lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.

dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich &lt;tofib@604ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrtens &lt;lhaueke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman &lt;dmz@604galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.

Jens Kapitzka &lt;jk@schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.

Johan Eklund &lt;johan@604mtree.key.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.

nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.

Axel von dem Bruch &lt;axel-vdb@riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original
version of Blake2bDigest.</li></ul>

<li>Derek Atkins &lt;derek@ihtfp.com&gt;: Documentation fixes to X9ObjectIdentifiers.</li>

<li>Peter Ir Halicky &lt;peter@064halicky.sk&gt;: Correction to notification/error message handling in SignedMailValidator.</li>

<li>lartiguePierre@https://github.com/lartiguePierre&lt;/li&gt;: Fix counter signature SID in CMSSignedData.</li>

<li>Thomas Belot &lt;thomas.belot+BC@064gmail.com&gt;: Initial CertPathLoopTest for demonstrating stack overflow issue.</li>

<li>Rich DiCroce@https://github.com/rdcroce&lt;/li&gt;: Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>

<li>Bjoern Kautler@https://github.com/Vampire&lt;/li&gt;: Refinements to cert path validation (authority key addition, certificate order preservation).</li>

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<li>Bjoern Kautler@https://github.com/Vampire&lt;/li&gt;: Refinements to cert path validation (authority key addition, certificate order preservation).</li>
SMIMEA entry.</li>
<li>The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt;: defect analysis and additional test cases for the provider.</li>
<li>Gorka Irazoki &lt;girazoki@#064wpi.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.</li>
<li>Joerg Senekowitsch &lt;joerg.senekowitsch@#064veridos.com&gt;: patch to deal with hard coded boolean in EAC ECDSApublicKey.</li>
<li>Alexandr Krivoshta &lt;wipe@#064ya.ru&gt;: N4 calculation fix to GOFB mode.</li>
<li>Artem Storozhuk &lt;storoj72@#064gmail.com&gt;: N4 calculation fix to GOFB mode.</li>
<li>Na Yu &lt;na.yu@#064samsung.com&gt;: Constructor patches to CMC PKIData.</li>
<li>Evangelos Karatsiolis &lt;ekaratsiolis@#064mtg.de&gt;: Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
<li>VivleSoren &lt;https://github.com/VivleSoren&gt;: additional constructor for McElieceCCA2PrivateKeyParameters.</li>
<li>mtausig &lt;https://github.com/mtausig&gt;: JavaDoc fix for MCSEncryptedDataGenerator.</li>
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@stud.tu-darmstadt.de&gt;: Initial XMSS/XMSSMT implementation.</li>
<li>Mike Safonov &lt;https://github.com/MikeSafonov&gt;: initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>
<li>Andreas Glaser &lt;andreas.glaser@gi-de.com&gt;: patch to recognise ANSSI curves for PKCS#10 requests.</li>
<li>codeborne &lt;https://github.com/cbxp&gt;: patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>
<li>FauxFaux &lt;https://github.com/FauxFaux&gt;: patch for JDK 1.9 update to DRBG.java.</li>
<li>4garbage &lt;https://github.com/4garbage&gt;: patch to allow GOST3410-94 private keys encoded as integers.</li>
<li>eckszz &lt;https://github.com/eckszz&gt;: corrections to SM2 signer to include default identity value.</li>
<li>jmjmer &lt;https://github.com/jmjmer&gt;: fix to Blake2b for hashes in range of 2**64-127 to 2**64.</li>
<li>str4d &lt;https://github.com/str4d&gt;: initial implementation of Blake2s.</li>
<li>David Straw &lt;https://github.com/isomarcte&gt;: fix for off by one error in SCRYPT bounds checking.</li>
<li>chris mccown &lt;0xchrismccown@#064gmail.com&gt;: identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>
<li>ZZMarquis &lt;https://github.com/ZZMarquis&gt;: offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.</li>
<li>Andreas Kretschmer &lt;https://github.com/Akretsch&gt;: NPE fix for CertTemplate.getVersion().</li>
<li>Armin Lunkeit, Michael Tautenhahn &lt;&gt;: identification of M-R test issue on higher certainty values in RSA key pair generation.</li>
<li>Vincent Breitmoser &lt;https://github.com/Valodim&gt;: fix to ignore unnecessary checksum calculator on PGP secret key encryption.
Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>
<li>Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>
<li>Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>
<li>Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>
<li>Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>
<li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valdim and str4d as well).</li>
<li>Bernd &lt;https://github.com/ecki&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/mtgag&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>
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode. 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>Haemin Yoo &lt;https://github.com/yoohaemin&gt; Javadoc fixes.</li>
<li>Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIESEngine.</li>
<li>Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.</li>
<li>Moses Palm&amp;eacute;r, TrueSec &lt;Henrik.Palmer&#064;truesec.se&gt; Additional improvements to constant time comparisons.</li>
<li>Ren&amp;eacute;e Korthaus&lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>
<li>THausherr&lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>
<li>Gaylor Bosson&lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</li>
<li>gaellalriere&lt;https://github.com/gaellalriere&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.
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1.751 cas-server-core-api-web 5.2.0

1.752 libxcb 1.13 2~ubuntu18.04

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1.775 eclipse-core-resources

3.9.1.v20140825-1431

1.776 jersey 2.6

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1.790 libassuan 2.5.1 2
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Upstream-Name: libassuan
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Source: https://gnupg.org/ftp/gcrypt/libassuan/

Files: *
  Makefile.am
  src/Makefile.am
  src/assuan-buffer.c
  src/assuan-error.c
  src/assuan-inquire.c
  src/assuan-io.c
  src/assuan-listen.c
  src/assuan-pipe-server.c
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src/memrchr.c
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src/posix-sys-pth-impl.h
src/posix-types.inc.h
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src/server.c
src/setenv.c
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src/system-w32.c
src/system-w32ce.c
src/system.c
src/w32-fd-t.inc.h
src/w32-includes.inc.h
src/w32-sock-nonce.inc.h
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1.791 jackson-module-jaxb-annotations 2.3.3

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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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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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"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
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.796 pcre 2.56.4 0ubuntu0.18.04.5

1.796.1 Available under license :

PCRE LICENCE

Please see the file LICENCE in the PCRE distribution for licensing details.

End

PCRE LICENCE

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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

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

Written by:       Philip Hazel
Email local part:  ph10
Email domain:      cam.ac.uk

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THE C++ WRAPPER FUNCTIONS
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1.800 aspect-j 1.9.2

1.801 dpkg 1.19.0.5ubuntu2.1

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under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
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1.805 slf4j 1.7.12

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

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

```

SPDX license identifiers are valid license strings:

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

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

```

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

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

---

Open Source Used In Crosswork Optimization Engine 1.17282
SPDX expressions are valid, too ...

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

... except if they contain `LicenseRef`:

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

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

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

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```javascript
assert.deepEqual(
    valid('SEE LICENSE IN LICENSE.txt'),
    {
        validForNewPackages: true,
        validForOldPackages: true,
        inFile: 'LICENSE.txt'
    }
);
```
If there aren't any licensing terms, use `UNLICENSED`:

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

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{
  "_args": [
    ["spdx-correct@~1.0.0",
     "~/Users/rebecca/code/npm/node_modules/validate-npm-package-license"
   ],
   "_from": "spdx-correct@>=1.0.0 <1.1.0",
   "_id": "spdx-correct@1.0.2",
   "_inCache": true,
   "_installable": true,
   "_location": "~/validate-npm-package-license/spdx-correct",
   "_nodeVersion": "4.2.1",
   "_npmUser": {
     "email": "kyle@kemitchell.com",
     "name": "kemitchell"
   },
   "_npmVersion": "3.3.6",
   "_phantomChildren": [],
   "_requested": {
     "name": "spdx-correct",
     "raw": "spdx-correct@~1.0.0",
     "rawSpec": "~1.0.0",
     "scope": null,
     "spec": ">=1.0.0 <1.1.0",
     "type": "range"
   },
   "_requiredBy": [
     "~/validate-npm-package-license"
  ]
}
"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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* copied and put under another distribution licence
var parser = require('./parser.generated.js').parser

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

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## Use as a JavaScript Library

[![devDependency Status](https://david-dm.org/shinnn/spdx-license-ids/dev-status.svg)](https://david-dm.org/shinnn/spdx-license-ids#info=devDependencies)

### Installation

#### Package managers

```
```

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

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

##### [Duo](http://duoj.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', ... ]
```

```javascript
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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 LICENCE IN (.+)$/;

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

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

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

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

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var spdxparse=function(){var o=function(k,v,o,l){for(o=o||{},l=k.length;l--;o[k[l]]=v);return
 o},$V0=[1,5],$V1=[1,6],$V2=[1,7],$V3=[1,4],$V4=[1,9],$V5=[1,10],$V6=[5,14,15,17],$V7=[5,12,14,15,17];var
 parser={trace:function
 trace(){},yy:{},symbols_:{error:2,start:3,expression:4,EOS:5,simpleExpression:6,LICENSE:7,PLUS:8,LICENSE
 REFERENCES:9,DOCUMENTREF:10,WITH:11,EXCEPTION:13,AND:14,OR:15,OPEN:16,CLOSE:17,Accept:0
 ,Send:1},terminals_:{2:"error",5:"EOS",7:"LICENSE",8:"PLUS",9:"LICENSEREFERENCES",10:"DOCUMENTREF"},11:"CO
OLON",12:"WITH",13:"EXCEPTION",14:"AND",15:"OR",16:"OPEN",17:"CLOSE"},productions_:\[0,[3,2],[6,1],[
 6,2],[6,3],[4,1],[4,3],[4,3],[4,3],[4,3],[4,3]]},performAction:function
 anonymous(yystext,yylen,yylineno,yyystate,$$,$_){var $0=$$.length-1;switch(yyystate){case 1:return
 this.$=$$.[$0-1];break;case 2:case 4:case 5:case 7:$0=\{license:yystext\};break;case 3:$0=\{license:$0-1
 ,plus:true\};break;case 6:$0=\{license:$0\};break;case 7:$0=\{exception:$0\};break;case 8:$0=\{license:$0
 ,hasOwnProperty("plus")\};break;case 9:$0=\{license:$0,plus:true\};break;case 8:$0=\{license:$0-1
 ,right:$0\};break;case 9:$0=\{license:$0,plus:$0\};break;case 10:$0=\{license:$0-1\};break\}
 .table:[\{3:1,4:2,6:3,7:SV0,9:SV1,10:SV2,16:SV3\},\{1:3\},\{5:1,8,14:SV4,15:SV5\},o($V6,2,6),\{12:1
 1\}],\{4,12,6:3,7:SV0,9:SV1,10:SV2,16:SV3\},o($V7,2,2),\{8:1,13\}],o($V7,2,4),\{11:1,14\},\{1,2,11\],\{4,15,6:3,7
 :SV0,9:SV1,10:SV2,16:SV3\},\{4,16,6:3,7:SV0,9:SV1,10:SV2,16:SV3\},\{13:1,17\}],\{14:SV4,15:SV5,17:1,18\],o($
 V7,2,3),\{9:1,19\],o($V6,2,8),\{5,15,17\},\{2,9\},\{14:SV4\},o($V6,2,7),o($V6,2,10\],o($V7,2,5\}],defaultActi
 ons:\{8,21\}],parseError:function parseError(str,hash){if(hash.recoverable){this.trace(str) else {throw new
 Error\(str\) }}},parse:function parse(input){var
YYSTATE=YY_START;switch($avoiding_name_collisions){case 0:return 5;break;case 1:break;case 2:return 8;break;case 3:return 16;break;case 4:return 17;break;case 5:return 11;break;case 6:return 10;break;case 7:return 9;break;case 8:return 14;break;case 9:return 15;break;case 10:return 12;break;case 11:return 7;break;case 12:return 7;break;case 13:return 7;break;case 14:return 13;break;case 15:return 13;break;case 16:return 13;break;case 17:return 13;break;case 18:return 13;break;case 19:return 13;break;case 20:return 13;break;case 21:return 13;break;case 22:return 13;break;case 23:return 13;break;case 24:return 13;break;case 25:return 13;break;case 26:return 13;break;case 27:return 13;break;case 28:return 13;break;case 29:return 13;break;case 30:return 13;break;case 31:return 7;break;case 32:return 7;break;case 33:return 7;break;case 34:return 7;break;case 35:return 7;break;case 36:return 7;break;case 37:return 7;break;case 38:return 7;break;case 39:return 7;break;case 40:return 7;break;case 41:return 7;break;case 42:return 7;break;case 43:return 7;break;case 44:return 7;break;case 45:return 7;break;case 46:return 7;break;case 47:return 7;break;case 48:return 7;break;case 49:return 7;break;case 50:return 7;break;case 51:return 7;break;case 52:return 7;break;case 53:return 7;break;case 54:return 7;break;case 55:return 7;break;case 56:return 7;break;case 57:return 7;break;case 58:return 7;break;case 59:return 7;break;case 60:return 7;break;case 61:return 7;break;case 62:return 7;break;case 63:return 7;break;case 64:return 7;break;case 65:return 7;break;case 66:return 7;break;case 67:return 7;break;case 68:return 7;break;case 69:return 7;break;case 70:return 7;break;case 71:return 7;break;case 72:return 7;break;case 73:return 7;break;case 74:return 7;break;case 75:return 7;break;case 76:return 7;break;case 77:return 7;break;case 78:return 7;break;case 79:return 7;break;case 80:return 7;break;case 81:return 7;break;case 82:return 7;break;case 83:return 7;break;case 84:return 7;break;case 85:return 7;break;case 86:return 7;break;case 87:return 7;break;case 88:return 7;break;case 89:return 7;break;case 90:return 7;break;case 91:return 7;break;case 92:return 7;break;case 93:return 7;break;case 94:return 7;break;case 95:return 7;break;case 96:return 7;break;case 97:return 7;break;case 98:return 7;break;case 99:return 7;break;case 100:return 7;break;case 101:return 7;break;case 102:return 7;break;case 103:return 7;break;case 104:return 7;break;case 105:return 7;break;case 106:return 7;break;case 107:return 7;break;case 108:return 7;break;case 109:return 7;break;case 110:return 7;break;case 111:return 7;break;case 112:return 7;break;case 113:return 7;break;case 114:return 7;break;case 115:return 7;break;case 116:return 7;break;case 117:return 7;break;case 118:return 7;break;case 119:return 7;break;case 120:return 7;break;case 121:return 7;break;case 122:return 7;break;case 123:return 7;break;case 124:return 7;break;case 125:return 7;break;case 126:return 7;break;case 127:return 7;break;case 128:return 7;break;case 129:return 7;break;case 130:return 7;break;case 131:return 7;break;case 132:return 7;break;case 133:return 7;break;case 134:return 7;break;case 135:return 7;break;case 136:return 7;break;case 137:return 7;break;case 138:return 7;break;case 139:return 7;break;case 140:return 7;break;case 141:return 7;break;case 142:return 7;break;case 143:return 7;break;case 144:return 7;break;case 145:return 7;break;case 146:return 7;break;case 147:return 7;break;case 148:return 7;break;case 149:return 7;break;case 150:return 7;break;case 151:return 7;break;case 152:return 7;break;case 153:return 7;break;case 154:return 7;break;case 155:return 7;break;case 156:return 7;break;case 157:return 7;break;case 158:return 7;break;case 159:return 7;break;case 160:return 7;break;case 161:return 7;break;case 162:return 7;break;case 163:return 7;break;case 164:return 7;break;case 165:return 7;break;case 166:return 7;break;case 167:return 7;break;case 168:return 7;break;case 169:return 7;break;case 170:return 7;break;case 171:return 7;break;case 172:return 7;break;case 173:return 7;break;case 174:return 7;break;case 175:return 7;break;case 176:return 7;break;case 177:return 7;break;case 178:return 7;break;case 179:return 7;break;case 180:return 7;break;case 181:return 7;break;case 182:return 7;break;case 183:return 7;break;case 184:return 7;break;case 185:return 7;break;case 186:return 7;break;case 187:return 7;break;case 188:return 7;break;case 189:return 7;break;case 190:return 7;break;case 191:return 7;break;case 192:return 7;break;case 193:return 7;break;case 194:return 7;break;case 195:return 7;break;case 196:return 7;break;case 197:return 7;break;case 198:return 7;break;case 199:return 7;break;case 200:return 7;break;case 201:return 7;break;case 202:return 7;break;case 203:return 7;break;case 204:return 7;break;case 205:return 7;break;case 206:return 7;break;case 207:return 7;break;case 208:return 7;break;case 209:return 7;break;case 210:return 7;break;case 211:return 7;break;case 212:return 7;break;case 213:return 7;break;case 214:return 7;break;case 215:return 7;break;case 216:return 7;break;case 217:return 7;break;case 218:return 7;break;case 219:return 7;break;case 220:return 7;break;case 221:return 7;
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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'].


var TRANSPOSED = 0;
var CORRECT = 1;

// Simple corrections to nearly valid identifiers.
var transforms = [
  // e.g. 'mit'
  function(argument) {
    return argument.toUpperCase();
  },
  // e.g. 'MIT'
  function(argument) {
    return argument.trim();
  },
  // e.g. 'M.I.T.'
  function(argument) {
    return argument.replace(/\./g, "");
  },
  // e.g. 'Apache- 2.0'
  function(argument) {
    return argument.replace(/\s+/g, "");
  },
  // e.g. 'CC BY 4.0''
  function(argument) {
    return argument.replace(/\s+/g, "-");
  },
  // e.g. 'LGPLv2.1'
  function(argument) {
    return argument.replace("v", "-");
  },
  // e.g. 'Apache 2.0'
  function(argument) {
    return argument.replace(/\d*/(\d), "-\$1");
  },
  // e.g. 'GPL 2'
  function(argument) {
    return argument.replace(/\d*/(\d), "-\$1.0");
  },
  // e.g. 'Apache Version 2.0'
  function(argument) {


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

// e.g. 'Attribution-NonCommercial'
function(argument) {
  return 'CC-' +
    argument
    .replace('Attribution', 'BY')
    .replace('NonCommercial', 'NC')
    .replace('NoDerivatives', 'ND')
    .replace(/(\d)/, '-$1')
    .replace(/INTERNATIONAL/, '') +
    '-4.0';
}

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

var SUBSTRING = 0;
var IDENTIFIER = 1;
var validTransformation = function(identifier) {
    for (var i = 0; i < transforms.length; i++) {
        var transformed = transforms[i](identifier);
        if (transformed !== identifier && valid(transformed)) {
            return transformed;
        }
    }
    return null;
}

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

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

module.exports = function(identifier) {
    identifier = identifier.replace(/\+$/, '');
    if (valid(identifier)) {
        return identifier;
    }
    var transformed = validTransformation(identifier);
    if (transformed !== null) {
        return transformed;
    }
    var anyCorrected = anyCorrection(identifier, valid);
    if (anyCorrected) {
        return anyCorrected;
    }
    var validLastResort = validLastResort(identifier);
    if (validLastResort) {
        return validLastResort;
    }
    return null;
}
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": "snnskwtnb@gmail.com",
    "name": "shinnn"
  },
  "_npmVersion": "3.5.2",
  "_phantomChildren": {},
  "_requested": {
    "name": "spdx-license-ids",
    "raw": "spdx-license-ids@^1.0.0",
    "rawSpec": "^1.0.0",
    "scope": null,
    "spec": ">=1.0.0 <2.0.0",
    "type": "range"
  },
  "_requiredBy": [
    "/validate-npm-package-license/spdx-expression-parse"
  ],
  "_shrinkwrap": null,
  "_spec": "spdx-license-ids@^1.0.0",
  "_where": "/Users/rebecca/code/npm/node_modules/validate-npm-package-license/node_modules/spdx-expression-parse",
  "author": {
    "name": "Shinnosuke Watanabe",
    "url": "https://github.com/shinnn"
"name": "spdx-license-ids",
"optionalDependencies": {}
,"readme": "ERROR: No README data found!",
"repository": {
  "type": "git",
  "url": "git+https://github.com/shinnn/spdx-license-ids.git"
},
"scripts": {
  "build": "node --harmony_arrow_functions build.js",
  "coverage": "node --harmony_arrow_functions node_modules/.bin/istanbul cover test.js",
  "coveralls": "${npm_package_scripts_coverage} && istanbul-coveralls",
  "lint": "eslint --config node_modules/@shinnn/eslintrc/rc.json --ignore-path .gitignore .",
  "pretest": "${npm_package_scripts_build} && ${npm_package_scripts_lint} && test",
  "test": "node --harmony_arrow_functions test.js"
},
"version": "1.2.0"
}

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' },
        conjunction: 'and',
        right: { license: 'MIT' } }
}

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

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

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

// We handle all the bare SPDX license and exception ids as well.
require('spdx-license-ids').forEach(function(id) {
  assert.deepEqual(
    parse(id),
    { license: id })
require('spdx-exceptions').forEach(function(e) {
  assert.deepEqual(
    parse(id + ' WITH ' + e),
    { license: id, exception: e })
})
```
```

---

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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
', '
', '
', '
', 'Apache
', 'Apache-2.0
', 'yes
'])

})

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

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var assert = require('assert');

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

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

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//   https://github.com/inexorabletash/polyfill

// ES3/ES5 implementation of the Khronos Typed Array Specification
// Ref: http://www.khronos.org/registry/typedarray/specs/latest/
// Date: 2011-02-01

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1.814 zlib 4.15.0 55.60

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1.819 eclipse-compiler 3.11.1.v20150902 1521

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.841 netty-tcnative 2.0.9

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1.852 gson 2.8.0

1.853 jetty-webapp 9.4.12.v20180830

1.854 mdsal-binding-generator-impl 1.0.10

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1.867 ncurses 6.1+20181013 2+deb10u2

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```
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This package is used for testing builds of ncurses.

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1.868 sqlite 3.8.11

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Version 3, 29 June 2007

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1.891 go-sql-driver-mysql 5.7.22

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MySQL Connector/J 8.0

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

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

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

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

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

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

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"Source code" for a work means the preferred form of the work for
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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running 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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(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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must be distributed under the terms of Sections 1 and 2 above on a
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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
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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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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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

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

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

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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
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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copy of the library already present on the user's computer system,
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will operate properly with a modified version of the library, if
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interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
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than the cost of performing this distribution.

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

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

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

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

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

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

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

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testing (6.14.2)

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1.894 jetty-continuation 9.4.12.v20180830

1.895 pax-jdbc-mssql 1.3.1

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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=+" 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-z]+\(\.[\-_A-Z0-9a-z]+\)*\)*" contained

syn match  psfNumber  \<[\d]+"> contained
syn match  psfFloat    \<[\d]+\>[\d]+" contained

syn match  psfLongDate \<[\d]+\>[\d]+\>[\d]+\>[\d]+" contained

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

syn keyword psfBoolean false true 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

Open Source Used In Crosswork Optimization Engine 1.18117
" 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\n]\+[^# \t\n]~rs=e-1 contains=psfUnquotString,psfComment end=\$ keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start=\^\s*[^# \t\n]\+[^# \t\n]^rs=e-1 contains=psfQuotString,psfComment skip=\" skipend=\" keepend syn region psfAttTag matchgroup=psfAttrib start="tag" 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="all_filesets" contains=psfObjTags,psfComment end="$" keepend oneline

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

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

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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.

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==============================================================================
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
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1.902 yang-parser-impl 2.1.11

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1.906 spring-data-commons 2.1.9

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1.908 h2 1.4.200

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<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta http-equiv="Content-Type" content="text/html;charset=UTF-8" /
<link rel="stylesheet" type="text/css" href="stylesheet.css" />
<link rel="made" href="pgsql-docs@lists.postgresql.org" />
<meta name="generator" content="DocBook XSL Stylesheets V1.79.1" />
<link rel="prev" href="libpq-misc.html" title="33.11.Miscellaneous Functions" />
<link rel="next" href="libpq-events.html" title="33.13.Event System" />
</head>
<body><div xmlns="http://www.w3.org/TR/xhtml1/transitional" class="navheader">
<table width="100%" summary="Navigation header">
<tr>
<th colspan="5" align="center">33.12.Notice Processing</th>
</tr>
<tr>
<td width="10%" align="left"><a accesskey="p" href="libpq-misc.html" title="33.11.Miscellaneous Functions">Prev</a></td>
<td width="10%" align="left"><a accesskey="u" href="libpq.html" title="Chapter33.libpq - C Library">Up</a></td>
<th width="60%" align="center">Chapter33.<span xmlns="http://www.w3.org/1999/xhtml" class="application">libpq</span> - C Library</th>
<td width="10%" align="right"><a accesskey="h" href="index.html" title="PostgreSQL 10.7 Documentation">Home</a></td>
<td width="10%" align="right"><a accesskey="n" href="libpq-events.html" title="33.13.Event System">Next</a></td>
</tr>
</table>
<hr/></div><div class="sect1 id-1.7.3.19.2">
<div class="titlepage">
<div><div><h2 class="title" style="clear: both">33.12.Notice Processing</h2></div></div></div><p>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><a id="id-1.7.3.19.5.2" class="indexterm"></a> sets or examines the current notice receiver for a connection object. Similarly, <code class="function">PQsetNoticeProcessor</code><a id="id-1.7.3.19.5.3" class="indexterm"></a> sets or examines the current notice processor for a connection object.
</p></div>
</body></html>
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 libpq, the notice receiver function is called. It is passed the message in the form of a PGRES_NONFATAL_ERROR. (This allows the receiver to extract individual fields using PQresultErrorField, or obtain a complete preformatted message using PQresultErrorMessage or PQresultVerboseErrorMessage.) The same void pointer passed to 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 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 PQsetNoticeProcessor. (This pointer can be used to access application-specific state if needed.)

The default notice processor is simply:

```
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">PGconn</code> or <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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1.923 libseccomp 2.3.3-4

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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
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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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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
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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.

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

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1.926 free-type 2.8.1-2ubuntu2

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## version 0.1
##
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=========

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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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1.943 libsepol 2.7-1

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**1.944 httpcomponents-core 4.4.12**

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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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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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1.966 slf4j 1.7.21

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1.967 asm 7.0

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1.968 adduser 3.118

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Ty Coon, President of Vice

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That's all there is to it!
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 * 
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1.992 jackson-databind 2.9.7

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.993 tdb 1.44.1-1ubuntu1.3

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were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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This package was put together by Yann Dirson <dirson@debian.org>,
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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007
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1.1007 log4j-jul 2.11.2

1.1008 apache-aries-proxy 1.1.3

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1.1009 spring-boot-autoconfigure 2.1.6

1.1010 xmlsec 1.2.25 1build1
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1.1025 guava 2.5.6

1.1026 protobuf-javanano 3.0.0-alpha-5

1.1027 e2fsprogs 1.44.1-1ubuntu1.3

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

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

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Theodore Ts'o
23-June-2007

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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 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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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
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
+ Copyright (C) Jeremy Allison 2000-2006
+ Copyright (C) Paul 'Rusty' Russell 2000

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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/

From the original distribution:

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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 static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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1.1028 spring-boot-starter 2.1.4

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1.1038 protobuf-java 2.5.23

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1.1039 commons attributes compiler 2.1

1.1040 protocol-buffers 3.6.0
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* MS Visual Studio error format option.
* Detect unordered_map in stl_hash.m4.

Brian Olson <brianolson@google.com>
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* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
* Added generation of field number constants.

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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* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

Scott Stafford <scott.stafford@gmail.com>
* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

Alexander Melnikov <alm@sibmail.ru>
* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>
* 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.

Michael Kucharski <m.kucharski@gmail.com>
* Added CodedInputStream.getTotalBytesRead().

Kacper Kowalik <xarthisius.kk@gmail.com>
* 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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1.1041 jopt-simple 6.0-alpha-3

1.1042 fdisk 2.33.1 0.1

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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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Mortbay
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
/org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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guid: f77549dfdf0141cf93f22327b7d1feb
TextScriptImporter:
externalObjects: {}
userData:
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assetBundleVariant:

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1.1052 zlib 1.2.3
1.1052.1 Available under license :

/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.11, January 15th, 2017

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1.1066 apache-servicemix-specs-locator 2.9.0

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Allowed values are ‘auth’ (for just authentication with no communication protection), ‘auth-int’ (for integrity protection for communication, which does not encrypt but ensures that the communication cannot be imperceptibly altered by a man in the middle attack), and ‘auth-conf’ (for confidentiality protection for communication, which encrypts the communication so that it cannot be deciphered by a third-party observer). If no value is specified, then a default of ‘auth’ will be assumed. If any of multiple qualities of protection will be considered acceptable then the permissible QoP values may be separated by commas and listed in order from most desirable to least desirable.

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1.1075 commons-collections 3.2.2

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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
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2.1.3 2.1.2 2002 PSF yes
2.2 and above 2.1.1 2001-now PSF yes

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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

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

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

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---

Select kqueue

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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 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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cfuhash

-------

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--------

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1.1110 jetcd resolver 0.0.2

1.1111 postgresql 42.1.4
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1.1112 apache-karaf-profile-core 4.2.2

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1.1114 curl 7.61.1 r1

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### 1.1115 wagon-provider-api 2.8

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1.1143 spring-boot 2.1.4

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1.1144 aether-connector-basic

1.0.2.v20150114

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1.1145 dcron 4.5 r4

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

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SipHash24

The file :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:
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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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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 commercially by FasterXML.com.

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Version 2.1, February 1999

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1.1191 pax-transx-jdbc 0.3.0

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1.1192 inspektr support spring 1.7

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Julian Seward, jseward@acm.org
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1.1203 beanutils 1.8.3
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1.1205 gcc 6.4.0-r5

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Automatically generated by Pod::Man 4.11 (Pod::Simple 3.35)

Standard preamble:

=======================================================================
.. de Sp .. Vertical space (when we can't use .PP)
.. if t ..sp ..s5v
.. 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-\n.. .ds C+ C\-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 -- \(*Wh'-12u\(WWh'-12u'-L will diablo 10 pitch
.. . if \(n\(H=4u)\&(1m=20u) .ds -- \(*Wh'-12u\(WWh'-8u'-L will diablo 12 pitch
.. . ds L" ""
.. . ds R" ""
.. . ds C- ""
.. . ds C" ""
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.

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

Accent mark definitions ( @(*)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
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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 says how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \n     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) \n ( fputc (".comm " , (FILE)),\n   assemble_name ((FILE), (NAME)),\n   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)))

#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\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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@end example

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@example
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@end example

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Version 3.1, 31 March 2009

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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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emph{%(tool)s, The %(name)s Development Environment}

emph{%(edition)s}

begin{DUlineblock}{0em}
item[] Version %(version)s
item[] Date: %(date)s
end{DUlineblock}

AdaCore

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#!/usr/bin/python
#
# Copyright (C) 2013-2018 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.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',
        ''])
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]+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 + '|\s+and\s+)*[0-9]'

        # Matches a full copyright notice:
        self.copyright_re = re.compile ("
            # 1: 'Copyright (C)', etc.
            '(\[Cc\]opyright')
# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*\(?;\s*\)? \s*[^\s]+)\s*'
# 3: 'by ', if used
'(by:\s+)\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*[^\s]+\s*[^\s]+)\s*'

# 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.
selx.max_year = None

# Goes after the year(s). Could be ', ',
selx.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\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):
Open Source Used In Crosswork Optimization Engine 1.19884

sys.stdout.write ('Usage: %s [options] dir1 dir2...
')(sys.argv[0])
format = '%-15s %s
'for (what, help) in self.option_help:
    sys.stdout.write (format % (what, help))
sys.stdout.write ('Directories:
')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',
            '.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')
        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.')
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('libhip')
        self.add_dir('libipa')
        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('libt')
        # maintainer-scripts maintainer-scripts
        # zlib is imported from upstream.

        self.default_dirs = ['gcc',
                             'include',
                             'libada',
                             'libatomic',
                             'libbacktrace',
                             'libc1',
                             'libcpp',
                             'libdecnumber',
                             'libgcc',
                             'libgfortran',
                             'libhip',
                             'libipa',
                             'libiberty',
                             'libitm',
                             'libobjc',
                             'libphobos',
                             'libquadmath',
                             'libssp',
                             'libstdc++-v3',
                             'libt',
                             'maintainer-scripts',
                             'zlib']
"libada",
"libatomic",
"libbacktrace",
"libc1",
"libcpp",
"libdecnumber",
"libgcc",
"libgfortran",
"libgomp",
"libhsail-rt",
"libiberty",
"libitm",
"libobjc",
"libphobos",
"libssp",
"libstdc++-v3",
"libvtv",
"lto-plugin",
]

GCCCmdLine().main()

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The original JDBC driver was written by Adrian Hall. Peter Mount and Barry Lind have maintained it in the past, but have since moved on to other things.

<a name="developers"></a>
<h2 class="underlined_10">Developers</h2>

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.
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>

<hr />

Translators
<div>
<ul>
<li>cs - Czech</li>
<li>Petr Dittrich</li>
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</div>

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1.1236 javax-security-auth-message-api 1.1

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Specification: JSR-196 Java Authentication Service Provider Interface for Containers ("Specification")

Version: 1.1

Status: Maintenance Review

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A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, 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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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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

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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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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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package license

import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type remove struct {
    *flags.ClientFlag
    *flags.OutputFlag
}

func init() {
    cli.Register("license.remove", &remove{ })
}

func (cmd *remove) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)
    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)
}

func (cmd *remove) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }
    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }
    return nil
}

func (cmd *remove) Usage() string {

func (cmd *remove) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m := license.NewManager(client)
    for _, v := range f.Args() {
        err = m.Remove(ctx, v)
        if err != nil {
            return err
        }
    }

    return nil
}

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package license

import (
    "context"
    "strconv"
    "strings"

    "github.com/vmware/govmomi/object"
    "github.com/vmware/govmomi/vim25"
    "github.com/vmware/govmomi/vim25/methods"
    "github.com/vmware/govmomi/vim25/mo"
    "github.com/vmware/govmomi/vim25/types"
)

type Manager struct {
    object.Common
}

func NewManager(c *vim25.Client) *Manager {
    m := Manager{
        object.NewCommon(c, *c.ServiceContent.LicenseManager),
    }
    return &m
}

func mapToKeyValueSlice(m map[string]string) []types.KeyValue {
    var r []types.KeyValue
    for k, v := range m {
        r = append(r, types.KeyValue{Key: k, Value: v})
    }
    return r
}

func (m Manager) Add(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.AddLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeyValueSlice(labels),
    }
    res, err := methods.AddLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}

func (m Manager) Decode(ctx context.Context, key string) (types.LicenseManagerLicenseInfo, error) {
    req := types.DecodeLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }
    res, err := methods.DecodeLicense(ctx, m.Client(), &req)
    if err != nil {
        return types.LicenseManagerLicenseInfo{}, err
    }
    return res.Returnval, nil
}
func (m Manager) Remove(ctx context.Context, key string) error {
    req := types.RemoveLicense{
        This:       m.Reference(),
        LicenseKey: key,
    }

    _, err := methods.RemoveLicense(ctx, m.Client(), &req)
    return err
}

func (m Manager) Update(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error) {
    req := types.UpdateLicense{
        This:       m.Reference(),
        LicenseKey: key,
        Labels:     mapToKeySlice(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
    }

    return
if mlm.LicenseAssignmentManager == nil {
    return nil, object.ErrNotSupported
}

am := AssignmentManager{
    object.NewCommon(m.Client(), *mlm.LicenseAssignmentManager),
}
return &am, nil

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
        }
    }
func (l InfoList) WithFeature(key string) InfoList {
    var result InfoList
    for _, license := range l {
        if HasFeature(license, key) {
            result = append(result, license)
        }
    }
    return result
}

// InfoList provides helper methods for []types.LicenseManagerLicenseInfo
// type InfoList []types.LicenseManagerLicenseInfo

if lf.name == feature.name && lf.level >= feature.level {
    return true
}

return false

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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",
            },
        },
        {
            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{
        m.Self = ref
        m.L licenses = []types.LicenseManagerLicenseInfo{EvalLicense}
    }

    if Map.IsVPX() {
func (m *LicenseManager) AddLicense(req *types.AddLicense) soap.HasFault {
    body := &methods.AddLicenseBody{
        Res: &types.AddLicenseResponse{ },
    }

    for _, license := range m.Licenses {
        if licenseLICENSE_KEY == reqLICENSE_KEY {
            body.Res.Returnval = licenseInfo(licenseLICENSE_KEY, license.Labels)
            return body
        }
    }

    m.Licenses = append(m.Licenses, types.LicenseManagerLicenseInfo{
        LicenseKey: reqLICENSE_KEY,
        Labels:     req.Labels,
    })

    body.Res.Returnval = licenseInfo(reqLICENSE_KEY, 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 reqLICENSE_KEY == licenseLICENSE_KEY {
            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]
        // Further code
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,
            }
            // Query the assigned licenses for the given entity
            // ...
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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    "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,
    }
}

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*/
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 {
        return err
    }
    return nil
}

func (cmd *add) Usage() string {
    return "KEY..."
}

func (cmd *add) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {
        return err
    }
    m := license.NewManager(client)

    // From the vSphere 5.5 documentation:
    //
    // To specify the edition type and any optional functions, use
    // updateLicense for ESX Server and addLicense follow by
    // LicenseAssignmentManager.updateAssignedLicense for VirtualCenter.
    //
    var addFunc func(ctx context.Context, key string, labels map[string]string) (types.LicenseManagerLicenseInfo, error)
    switch t := client.ServiceContent.About.ApiType; t {
    case "HostAgent":
        addFunc = m.Update
    case "VirtualCenter":
        addFunc = m.Add
    default:
        return errors.New("unknown API type")
    }
    return addFunc(ctx, key, labels)
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.Fatal("expect info.LicenseKey equal to %q; got %q", key, info.LicenseKey)
}

if len(info.Labels) != len(labels) {
    t.Fatal("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.Fatal("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.Fatal("expect info.LicenseKey equal to %q; got %q", key, la[1].LicenseKey)
}

if len(la[1].Labels) != len(labels) {
    t.Fatal("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.Fatal("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/cli"
  "github.com/vmware/govmomi/govc/flags"
  "github.com/vmware/govmomi/license"
  "github.com/vmware/govmomi/vim25/types"
type assign struct {
    *flags.ClientFlag
    *flags.OutputFlag
    *flags.HostSystemFlag
    *flags.ClusterFlag

    name   string
    remove bool
}

func init() {
    cli.Register("license.assign", &assign{ })
}

func (cmd *assign) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    cmd.HostSystemFlag, ctx = flags.NewHostSystemFlag(ctx)
    cmd.HostSystemFlag.Register(ctx, f)

    cmd.ClusterFlag, ctx = flags.NewClusterFlag(ctx)
    cmd.ClusterFlag.Register(ctx, f)

    f.StringVar(&cmd.name, "name", ",", "Display name")
    f.BoolVar(&cmd.remove, "remove", false, "Remove assignment")
}

func (cmd *assign) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.HostSystemFlag.Process(ctx); err != nil {
        return err
    }

    return cmd.ClusterFlag.Process(ctx)
}

func (cmd *assign) Usage() string {
    return "KEY"
func (cmd *assign) Description() string {
    return `Assign licenses to HOST or CLUSTER.

Examples:
govc license.assign $VCSA_LICENSE_KEY
govc license.assign -host a_host.example.com $ESX_LICENSE_KEY
govc license.assign -cluster a_cluster $VSAN_LICENSE_KEY`}

func (cmd *assign) Run(ctx context.Context, f *flag.FlagSet) error {
    if f.NArg() != 1 {
        return flag.ErrHelp
    }

    key := f.Arg(0)

    client, err := cmd.Client()
    if err != nil {
        return err
    }

    m, err := license.NewManager(client).AssignmentManager(ctx)
    if err != nil {
        return err
    }

    host, err := cmd.HostSystemIfSpecified()
    if err != nil {
        return err
    }

    var id string

    if host == nil {
        cluster, cerr := cmd.ClusterIfSpecified()
        if cerr != nil {
            return cerr
        }
        if cluster == nil {
            // Default to vCenter UUID
            id = client.ServiceContent.About.InstanceUuid
        } else {
            id = cluster.Reference().Value
        }
    } else {
        id = host.Reference().Value
    }
}
if cmd.remove {
    return m.Remove(ctx, id)
}

info, err := m.Update(ctx, id, key, cmd.name)
if err != nil {
    return err
}

return cmd.WriteResult(licenseOutput([]types.LicenseManagerLicenseInfo{*info}))

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 Is 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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import (
    "context"
    "flag"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
)

type decode struct {
    *flags.ClientFlag
    *flags.OutputFlag

    feature string
}

func init() {
    cli.Register("license.decode", &decode{})
}

func (cmd *decode) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.feature, "feature", "", featureUsage)
}

func (cmd *decode) Process(ctx context.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 {
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)
    }

    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
    }

    m := license.NewManager(client)

    if f.NArg() != 3 {
        return flag.ErrHelp
    }

    req := types.UpdateLicenseLabel{
        This:       m.Reference(),
        LicenseKey: f.Arg(0),
        LabelKey:   f.Arg(1),
        LabelValue: f.Arg(2),
    }

    _, err = methods.UpdateLicenseLabel(ctx, m.Client(), &req)
    return err
}

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*/
package license

import (
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/vim25/types"
)

type licenseOutput []types.LicenseManagerLicenseInfo

func (res licenseOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintln(tw, "Key:	Edition:	Used:	Total:
")
    for _, v := range res {
        fmt.Fprintf(tw, "%s	", v.LicenseKey)
        fmt.Fprintf(tw, "%s	", v.EditionKey)
        fmt.Fprintf(tw, "%d	", v.Used)
        fmt.Fprintf(tw, "%d	", v.Total)
        fmt.Fprintf(tw, "\n")
    }
    return tw.Flush()
}

#!/usr/bin/env bats
load test_helper

# These tests should only run against a server running an evaluation license.
verify_evaluation() {
    if 
        
    skip "requires evaluation license"
    fi
}

govc license.ls -json | jq -r .[0].EditionKey != "eval" ]; then
    skip "requires evaluation license"
fi

get_key() {
    jq ".[1] | select(.LicenseKey == \"$1\")"
}

govc license.ls -json | jq -r ".[1] | select(.LicenseKey == \"$1\") | .Properties[] | select(.Key == \"$1\") | .Value"
}

govc license.ls -json | jq -r ".[1] | select(.LicenseKey == \"$1\") | .Labels[] | select(.Key == \"$2\") | .Value"
get_nlabel() {
  govc license.ls -json | jq ".[].select(.LicenseKey == "$1") | .Labels[].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 ".Name")"
}

@test "license.decode" {
esx_env

    verify_evaluation

    key=00000-00000-00000-00000-00000
    assert_equal "eval" $(govc license.decode $key | grep $key | awk '{print $2}')
@test "license.label.set" {
  vcsim_env

  key=00000-00000-00000-00000-00000

  assert_equal 0 "$(get_nlabel $key)"
  assert_equal "" "$(get_label $key foo)"

  run govc license.label.set $key foo bar
  assert_success

  assert_equal 1 "$(get_nlabel $key)"
  assert_equal bar "$(get_label $key foo)"

  run govc license.label.set $key biz baz
  assert_success
  run govc license.label.set $key foo bar2
  assert_success

  assert_equal 2 "$(get_nlabel $key)"
  assert_equal bar2 "$(get_label $key foo)"

  run govc license.label.set $key foo ""
  assert_success

  assert_equal 1 "$(get_nlabel $key)"
  assert_equal "" "$(get_label $key foo)"
} /*

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package license
import {
    "context"
    "flag"
    "fmt"
    "io"
    "os"
    "text/tabwriter"

    "github.com/vmware/govmomi/govc/cli"
    "github.com/vmware/govmomi/govc/flags"
    "github.com/vmware/govmomi/license"
    "github.com/vmware/govmomi/vim25/types"
}

type assigned struct {
    *flags.ClientFlag
    *flags.OutputFlag

    id string
}

func init() {
    cli.Register("license.assigned.ls", &assigned{})
}

func (cmd *assigned) Register(ctx context.Context, f *flag.FlagSet) {
    cmd.ClientFlag, ctx = flags.NewClientFlag(ctx)
    cmd.ClientFlag.Register(ctx, f)

    cmd.OutputFlag, ctx = flags.NewOutputFlag(ctx)
    cmd.OutputFlag.Register(ctx, f)

    f.StringVar(&cmd.id, "id", "", "Entity ID")
}

func (cmd *assigned) Process(ctx context.Context) error {
    if err := cmd.ClientFlag.Process(ctx); err != nil {
        return err
    }

    if err := cmd.OutputFlag.Process(ctx); err != nil {
        return err
    }

    return nil
}

func (cmd *assigned) Run(ctx context.Context, f *flag.FlagSet) error {
    client, err := cmd.Client()
    if err != nil {


m, err := license.NewManager(client).AssignmentManager(ctx)
if err != nil {
    return err
}

assigned, err := m.QueryAssigned(ctx, cmd.id)
if err != nil {
    return err
}

return cmd.WriteResult(assignedOutput(assigned))

```
type assignedOutput []types.LicenseAssignmentManagerLicenseAssignment

func (res assignedOutput) Write(w io.Writer) error {
    tw := tabwriter.NewWriter(os.Stdout, 4, 0, 2, ' ', 0)
    fmt.Fprintf(tw, "Id:	Scope:	Name:	License:
"
    for _, v := range res {
        fmt.Fprintf(tw, "%s", v.EntityId)
        fmt.Fprintf(tw, "%s", v.Scope)
        fmt.Fprintf(tw, "%s", v.EntityDisplayName)
        fmt.Fprintf(tw, "%s", v.AssignedLicense.LicenseKey)
    }
    return tw.Flush()
}
```
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1.1285 jersey-server 1.19.3

1.1286 go-yaml 1.5.2 0.7.git269f928.el7

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>>> freebsd-base64-4.8
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$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

digraph G {  
  rankdir="LR";
  label = "label demo";
  labeljust="left";
  subgraph cluster0 {  
    a;
    b;
    a->b;
    label = "cluster0";
    labelloc="bottom"  
  }
  subgraph cluster1 {  
    c;
    d;
    c->d;
    label = "cluster1";
    labelloc="top"  
  }
}

This package was originally debianized by Stephen M Moraco <stephen@debian.org> on Fri, 31 Dec 1999 15:37:17 -0700.
It was downloaded from http://www.graphviz.org/

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Vladimir Alexiev (codegen improvements)

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The Debian packaging was started by Stephen M Moraco <stephen@debian.org> and then was taken over in late 2006 by Cyril Brulebois, placing his work under the same terms as graphviz itself.

2006-2008, Cyril Brulebois <cyril.brulebois@enst-bretagne.fr>

digraph G {
  rankdir="LR";
  label = "label demo";
  subgraph cluster0 {
    a;
    b;
    a->b;
    label = "cluster0";
    labeljust="left";
  }
  subgraph cluster1 {
    c;
    d;
    c->d;
    label = "cluster1";
  }
}

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1.1308 mmap-go 1.5.2 0.7.git269f928.el7

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1.1309 spring-boot-starter 1.5.8

1.1310 spring-web 5.1.6

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```java
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.
     *
     * @return the form field value
     */
    String value();
}
```

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1.1318 py-pip 18.1 r0

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History
-------

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Contributors
------------

- 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.

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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2.6.4  2.6.3  2009  PSF  yes
2.6.5  2.6.4  2010  PSF  yes
2.7  2.6  2010  PSF  yes

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1.1331 py-pip 10.0.1 r0

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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
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.

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

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

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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
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- Arguments more compliant with Python standard

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

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Select kqueue
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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 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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libffi

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zlib
----

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cfuhash
-------
The implementation of the hash table used by the `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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<tr>
<th>Release</th>
<th>Derived from</th>
<th>Year</th>
<th>Owner</th>
<th>GPL-compatible? (1)</th>
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<td>no</td>
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<td>2001</td>
<td>PSF</td>
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1.1343 grpc-gateway 1.5.2 0.7.git269f928.el7

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1.1344 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
 */
** 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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1.1347 juju-ratelimit 1.5.2 0.7.git269f928.el7

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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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1.1349 gobject-introspection 1.56.1-1
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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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The initial commit of package "org.apache.commons.math3.ml.neuralnet" is
an adapted version of code developed in the context of the Data Processing and Analysis Consortium (DPAC) of the "Gaia" project of the European Space Agency (ESA).

The initial commit of the class "org.apache.commons.math3.special.BesselJ" is an adapted version of code translated from the netlib Fortran program, rjbesl http://www.netlib.org/specfun/rjbesl by R.J. Cody at Argonne National Laboratory (USA). There is no license or copyright statement included with the original Fortran sources.

The BracketFinder (package org.apache.commons.math3.optimization.univariate) and PowellOptimizer (package org.apache.commons.math3.optimization.general) classes are based on the Python code in module "optimize.py" (version 0.5) developed by Travis E. Oliphant for the SciPy library (http://www.scipy.org/) Copyright 2003-2009 SciPy Developers.

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package com.hazelcast.security.permission;

import com.hazelcast.security.permission.ActionConstants;

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;
            }
        }
        return mask;
    }
}
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 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 || name.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;
}

@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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 */

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);
    }

    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);
        }

        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;
        }
    }

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;

public class AtomicReferencePermission extends InstancePermission {

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

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     */
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;
}

package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {

    public MultiMapPermission(String name, String... actions) {


super(name, actions);
}

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;

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 Enumeration<Permission> () {
                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 SetPermission extends ListPermission {

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

/*----------------------------------------------------------------------------
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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;
  }
}
return mask;
}

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

public class MapPermission extends InstancePermission {

}
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;

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 (obj == null) {
            return false;
        }
        if (this == obj) {
            return true;
        }
    }
}

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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;
}
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;

public class TransactionPermission extends ClusterPermission {

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

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     */

    package com.hazelcast.security.permission;

    import java.security.Permission;

    public class TransactionPermission extends ClusterPermission {

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

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     */
@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 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;
            } else {
                mask |= actions.length;
            }
        }

        return mask;
    }
}

package com.hazelcast.security.permission;
mask |= DESTROY;
}
}
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;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
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 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;
            }
        }
        return mask;
    }

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     */

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

    }

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

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
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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;
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                 * limitations under the License.
                 */

            }
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;

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);
    }

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     */

    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 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;
    }
}

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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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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) {

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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;

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
global boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

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

global 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 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>";
}
}

1.1355 x-text 1.5.2 0.7.git269f928.el7
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### 1.1372 libdrm 2.4.99-1ubuntu1~18.04.2

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### 1.1373 zlib 1.2.8

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```c
/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.11, January 15th, 2017

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1.1376 ops4j-base-io 1.5.0

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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;

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;

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;
 }

}
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;
            } 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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*/
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) {

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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());
}

@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;
    }
    }

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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 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);
    }

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     */
@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;
}

private static final int ALL = CREATE | DESTROY;

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

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;
        }
        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 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;
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";

    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_AGREGATE = "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(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);
}
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 DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

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

    @Override

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    * limitations under the License.
    */
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 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_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        return mask;
    }

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     * limitations under the License.
     */
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;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

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

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     */


```java
@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.

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package com.hazelcast.security.permission;

import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;

public classUserCodeDeploymentPermission 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;
        return mask;
    }
}
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;

/**
 * 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;
            }
        }
        return mask;
    }
}

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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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 * limitations under the License.
 */
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";
    }
}

This copy of Jackson JSON processor streaming parser/generator is licensed under the Apache (Software) License, version 2.0 ("the License").
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;
            }
        }
        return mask;
    }
}
} 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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* limitations under the License.
*/

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;
            }
        }

        return mask;
    }
}
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;
}

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;
            }
        }
        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_PUT.equals(action)) {
    mask |= PUT;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
}
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;
    }

    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;
    }

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    */

    public final class AllPermissions extends ClusterPermission {

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

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

    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;
    }
```java
@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 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 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;
    }
}

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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;
    }
}

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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;

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
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;
}

package com.hazelcast.security.permission;

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

public abstract class ClusterPermission extends Permission {

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     */

    // Other Java code here.
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;
    }
    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;
            }
        }
        return mask;
    }
}

} 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;
}

(getActivity
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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() {

    }

    public ClusterPermissionCollection(Permission... permissions) {
        for (Permission permission : permissions) {
            if (permClass == null || permClass.isAssignableFrom(permission.getClass())) {
                perms.add(permission);
            }
        }
    }

    public ClusterPermissionCollection(PermissionCollection other) {
        for (Permission permission : other.getPermissions()) {
            if (permClass == null || permClass.isAssignableFrom(permission.getClass())) {
                perms.add(permission);
            }
        }
    }

    public boolean contains(Permission permission) {
        return perms.contains(permission);
    }

    public boolean containsAll(PermissionCollection permissions) {
        for (Permission permission : permissions.getPermissions()) {
            if (!contains(permission)) {
                return false;
            }
        }
        return true;
    }

    public boolean add(Permission permission) {
        if (permClass == null || permClass.isAssignableFrom(permission.getClass())) {
            return perms.add(permission);
        }
        return false;
    }

    public boolean addAll(PermissionCollection permissions) {
        for (Permission permission : permissions.getPermissions()) {
            if (permClass == null || permClass.isAssignableFrom(permission.getClass())) {
                return perms.add(permission);
            }
        }
        return true;
    }

    public boolean remove(Permission permission) {
        return perms.remove(permission);
    }

    public boolean removeAll(PermissionCollection permissions) {
        for (Permission permission : permissions.getPermissions()) {
            if (permClass == null || permClass.isAssignableFrom(permission.getClass())) {
                return perms.remove(permission);
            }
        }
        return true;
    }

    public Iterator<Permission> iterator() {
        return perms.iterator();
    }

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

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

    public String toString() {
        return getClass().getName() + '@' + Integer.toHexString(hashCode());
    }

    public boolean equals(Object obj) {
        if (obj instanceof ClusterPermissionCollection) {
            ClusterPermissionCollection other = (ClusterPermissionCollection) obj;
            return perms.equals(other.perms);
        }
        return false;
    }

    public int hashCode() {
        return perms.hashCode();
    }
}

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permClass = null;
}

class ClusterPermissionCollection {
    private static final String NAME = "PermCollection";
    private static final String CODE = "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();
            if (perm instanceof ClusterPermission) {
                iter.remove();
            }
        }
    }
}
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 + "]";
}

package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {


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

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 *
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 */
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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure \
    --build=$CBUILD \
    --host=$CHOST \
    --prefix=/usr
    make
}

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

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001ae9bace727b5b4c8589405256a3c020  libart_lgpl-2.3.21.tar.bz2"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
_pkgname=py3-flake8-copyright
_pkgver=0.2.2
pkgdescl="Extension for flake8 which checks for copyrights"
options="!check"  # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgname}-${pkgver}"

replaces="py-flake8-copyright"  # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-${pkgrel}"  # Backwards compatibility

build() {
    python3 setup.py build
}
package() {
python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ff153f0be1bed746464220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"
/
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  */

# 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=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/_pkgreal-$pkgver.tar.gz"

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

prepare() {
  default_prepare

  export CFLAGS=$(/usr/bin/perl -MConfig -E 'say $Config{ccflags}')
  PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
export CFLAGS=$(/bin/echo -n $(perl -MConfig -E 'say $Config{ccflags}'))
make
}

check() {
make test
}

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

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4fea16de9262728b3b685  BSD-Resource-1.2911.tar.gz"

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pkgname=spdx-licenses
pkgver=3.7
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
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="24b017bc9b3188710bed1015c1fcd6920e13a44b68e9d6caca129cbf059abbe16d31ae24b7c1714a8273
bf6da11105155b85ba4fb6efd93aa76dc4c10f832b12  license-list-data-3.7.tar.gz"

1.1385 jersey-container-servlet 2.6
1.1385.1 Available under license :
       CDDL+GPL License
       http://glassfish.java.net/public/CDDL+GPL_1_1.html

1.1386 commons-io 2.5
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1.1387 apache-karaf-event 4.2.2
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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
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1.1397 iconv 2.25

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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

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

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

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

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

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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.

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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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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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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 OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


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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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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1.1416 apache-felix-webconsole-plugins-event 1.1.8

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Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to 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.>
Copyright (C) 19yy  <name of author>

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

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

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

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

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

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

That's all there is to it!

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   c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

   d) make other distribution arrangements with the Copyright Holder.

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The End
#!perl

=head1 NAME
copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut
use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = ";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\d{4,}/s
        or die "Year not found in README copyright message '$copyright_msg'";

    $year;
}

sub v_year
    # returns the latest copyright year shown in perl -v
    {
        my $output = runperl switches => ['-v'];
        my ($year) = $output =~ /copyright 1987.*\b\d{4,}\b/i
            or die "Copyright statement not found in perl -v output '$output'";
        $year;
    }

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

---

abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>''
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.'"
built_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3

1.1418 coreutils 8.28 1ubuntu1

1.1418.1 Available under license:

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Version 3, 29 June 2007

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DRuntime: Runtime Library for the D Programming Language
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Version 3.1, 31 March 2009

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Julian Seward, jseward@bzip.org

bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.1424 grizzly-framework 1.9.8

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1.1437 apache-aries-blueprint-webosgi 1.0.1

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    all fields (only present with certain compiler settings).
  * Added generation of field number constants.
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  * Fixed initialization ordering problem in logging code.
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  * Small patch improving performance of in Python serialization.
Alexandre Vassalotti <alexandre@peadrop.com>
  * Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
Scott Stafford <scott.stafford@gmail.com>
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  * Detect whether zlib is new enough in configure script.
  * 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.
Michael Kucharski <m.kucharski@gmail.com>
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Kacper Kowalik <xarthsius.kk@gmail.com>
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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 xlC compiler build issues
* Added atomicops for AIX (POWER)

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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\[ :]\*/\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} $@
## 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

### 1.1457 metrics 3.2.6

### 1.1458 httpcomponents-mime 4.5.10

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1.1472 pkg-conf 1.6.1 r1

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1.1473 cas server core services api 5.2.0

1.1474 mergo 1.5.2 0.7.git269f928.el7

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1.1475 caffeine 2.5.6

1.1476 pax-transx-jdbc 0.4.0

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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 Bourillion
    */
    public final class Primitives {
        private Primitives() {
        }


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<?>>(16);
    Map<Class<?>, Class<?>> wrapToPrim = new HashMap<Class<?>, Class<?>>(16);
    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 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(type);
```java
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;
}

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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1.1486 util-linux 2.29.2-1+deb9u1

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1.1487 jackson-module-parameter-names

2.9.8

1.1488 tre 1.1.22 r2

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1.1489 linux-atm 2.5.1-2build1
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this=1.com/hazelcast/security/permission/AtomicReferencePermission;nameLjava/lang/String;actions[Ljava/lang/String;initMask([Ljava/lang/String;]Ljava/lang/String;]Ialljava/lang/Stringequals(Ljava/lang/Object;)Z
create*read$modify&destroy(actionmask
ConstantValueCodeLocalVariableTableLineNumberTable
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SourceFile!,
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-I*+,. /
-o+=N-66^-2:!#!
=4%!=
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1
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thisDLcom/hazelcast/security/permission/DurableExecutorServicePermission;nameLjava/lang/String;actions[Ljava/lang/String;initMask([Ljava/lang/String;]Ljava/lang/String;]Ialljava/lang/Stringequals(Ljava/lang/Object;)Z
this6Lcom/hazelcast/security/permission/ActionConstants$14;createA(Ljava/lang/String;[Ljava/security/Permission;9com/hazelcast/security/permission/ReplicatedMapPermission((Ljava/lang/String;[Ljava/lang/String;)Ljava/security/Permission;9com/hazelcast/security/permission/ReplicatedMapPermission(nameLjava/lang/String;actions[Ljava/lang/String;CodeLocalVariableTableLineNumberTable SourceFileEnclosingMethodInnerClasses0/*H
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2"7com/hazelcast/security/permission/TransactionPermission3com/hazelcast/security/permission/ClusterPermission TransactionPermission.java<init>()V
	<transaction>(Ljava/lang/String;)V

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getPermissionLjava/security/Permission;
getActions(Ljava/lang/String;transactionCodeLocalVariableTableLineNumberTable
StackMapTable
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	~!
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this6Lcom/hazelcast/security/permission/MultiMapPermission:nameLjava/lang/String;actions[Ljava/lang/String;CodeLocalVariableTableLineNumberTable
SourceFile!1*+,2/com/hazelcast/security/permission/SetPermission0com/hazelcast/security/permission/ListPermissionSetPermission.java<init>((Ljava/lang/String;[Ljava/lang/String;)V
this1Lcom/hazelcast/security/permission/SetPermission;nameLjava/lang/String;actions[Ljava/lang/String;CodeLocalVariableTableLineNumberTable
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thisLcom/hazelcast/security/permission/ReplicatedMapPermission:nameLjava/lang/String;actions[Ljava/lang/String;initMask([Ljava/lang/String;)I all$java/lang/String&equals(Ljava/lang/Object;)Z() *create,destroy.putremove2read4listen6lock8index:intercept<actionmask ConstantValueCodeLocalVariableTableLineNumberTable
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m/hazelcast/security/permission/AllPermissions$AllPermissionsCollection;)V

hashCode(Ljava/lang/Object;)Zjava/lang/Object'class()Ljava/lang/Class;)*
(9+objLjava/lang/Object;otherToString()Ljava/lang/String;<allow all permissions>2
access$000N(Lcom/hazelcast/security/permission/AllPermissions$AllPermissionsCollection;)Zx0
access$1004()Ljava/lang/Object;permission/AllPermissions;9<clinit>
CodeLocalVariableTableLineNumberTable
StackMapTableSignature5(Ljava/util/Enumeration<Ljava/security/Permission;>;
SourceFileInnerClasses1
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?HIK@=9*>?O=3
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nConstants$PermissionFactoryActionConstants.java1com/hazelcast/security/permission/ActionConstantsPermission
Factory<brinit>()V

this5Lcom/hazelcast/security/permission/ActionConstants$2;createA(Ljava/lang/String;Ljava/lang/String;)Ljava/se
curity/Permission;1com/hazelcast/security/permission/MapPermission((Ljava/lang/String;Ljava/lang/String;)V
nameLejava/lang/String;actions[Ljava/lang/String;CodeLocalVariableTableLineNumberTable
SourceFileEnclosingMethodInnerClasses0/*HH
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21com/hazelcast/security/permission/ActionConstants.java/lang/ObjectActionConstants.javaCom/hazelcast/security
/permission/ActionConstants$PermissionFactoryPermissionFactory4com/hazelcast/security/permission/ActionConsta
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ty/permission/ActionConstants$23com/hazelcast/security/permission/ActionConstants$1
ACTION_ALLLjava/lang/String;$all-
ACTION_CREATEcreate0ACTION_DESTROYdestroy3
ACTION_MODIFYmodify6ACTION_READread9
ACTION_REMOVE remove < ACTION_LOCK lock?
ACTION_LISTEN listen BACTION_RELEASE release EACTION_ACQUIRE acquire H
ACTION_ADD add NACTION_INDEX index QACTION_INTERCEPT intercept TACTION_PUBLISH publish WLISTENER_INSTANCE instance ZLISTENER_MEMBER member ]LISTENER_MIGRATION
PERMISSION_FACTORY_MAP java/util/Map h java/lang/String l com/hazelcast/security/permission/ActionConstants$PermissionFactory ?>; <init>() V
g this 3L com/hazelcast/security/permission/ActionConstants;
getPermissionS L java/lang/String l java/lang/String ; L java/security/Permission bcm java/util/Mapa get &( L java/lang/Object ; ) java/lang/Object qrps " java/lang/IllegalArgumentException u java/lang/StringBuilder w
xg "No permissions found for service: zappend-( L java/lang/String ; ) L java/lang/StringBuilder ; ]
x ~ toString() L java/lang/String ;
x( L java/lang/String ; ) Ve
va ( L java/lang/String ; L java/security/Permission 0 nameserviceName actions [ L java/lang/String ; permissionFactory L com/hazelcast/security/permission/ActionConstants$PermissionFactory ; <clinit> java/util/HashMap
ghz : impl : queueService
* g8 ( L java/lang/Object ; L java/lang/Object ; ) java/lang/Object K ghz : impl : mapService
( ghz : impl : MultiMapService
 & ghz : impl : listService
 $ ghz : impl : setService
 " ghz : impl : atomicLongService
 ghz : impl : countdownLatchService
 ghz : impl : semaphoreService
 ghz : impl : topicService
 ghz : impl : lockService
 ghz : impl : executorService
 ghz : impl : idGeneratorService
 ghz : impl : mapReduceService
 ghz : impl : replicatedMapService
 ghz : impl : atomicReferenceService
 ghz : impl : cacheService
 ghz : impl : ringbufferService

g
ConstantValueSignatureCodeLocalVariableTableLineNumberTable
StackMapTable
SourceFileInnerClasses1+.,/12,45,78::=>,@A,CD,FG,II,LM,OP,RS,UV,XY,]\^_abcdef3*hij
klSn+tN-vYxYy{+-*,5,5,5
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YWn?
BH,N@TRZd`vflrx~*<

"$&(*
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`/security/Permission;()Ljava/lang/Object;
CodeLocalVariableTableLineNumberTableSignature
SourceFileEnclosingMethodInnerClasses
*+*!

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"\":i":\"/
```

&
this5Lcom/hazelcast/security/permission/ActionConstants$7;createA(Ljava/lang/String;[Ljava/lang/String;)Ljava/security/Permission;:com/hazelcast/security/permission/CountDownLatchPermission((Ljava/lang/String;[Ljava/lang/String;)V
nameLjava/lang/String;actions[Ljava/lang/String;CodeLocalVariableTableLineNumberTable
SourceFileEnclosingMethodInnerClasses0/*fH
Y+
!

i!
265com/hazelcast/security/permission/SemaphorePermission$4com/hazelcast/security/permission/InstancePermissionSemaphorePermission.javaACQUIREIRELEASEREADALL<init>((Ljava/lang/String;[Ljava/lang/String;)V
this7Lcom/hazelcast/security/permission/SemaphorePermission;nameLjava/lang/String;actions[Ljava/lang/String;initMask([Ljava/lang/String;)Ialljava/lang/Stringequals(Ljava/lang/Object;)Z!
"createSacquire&releaseObjectmask
ConstantValueCodeLocalVariableTableLineNumberTable
StackMapTable
SourceFile!00
0
01I*+,23
10=6p-2:##
=F#
=5)#=##=
=#-2*a./3B"%/%(/)6*+G.Q-Y.c/f0t1y#44%5
273com/hazelcast/security/permission/ClusterPermissionjava/security/PermissionClusterPermission.javahashcodeI<
init>(Ljava/lang/String;)V

this5Lcom/hazelcast/security/permission/ClusterPermission;nameLjava/lang/String;newPermissionCollection&()Ljava/security/PermissionCollection;=com/hazelcast/security/permission/ClusterPermissionCollectionjava/lang/ObjectgetClassLoader()Ljava/lang/Class;
(Ljava/lang/Class;)V
hashCode())getName())Ljava/lang/String;
#java/lang/String%
&primeresultequals(Ljava/lang/Object;)Z+,
&-objLjava/lang/Object;otherCodeLocalVariableTableLineNumberTable
StackMapTable
SourceFile!2>+3
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`init`()V
`this2Lcom/hazelcast/security/permission/AllPermissions;implies(Ljava/security/Permission;)Z`
`permissionLjava/security/Permission;`
`getAllActions()Ljava/lang/String;`
`<all actions>newPermissionCollection&()Ljava/security/PermissionCollection;`

`toString<allow all permissions>equals(Ljava/lang/Object;)ZobjLjava/lang/Object;hashCode()ICodeLocalVariableTableLineNumberTable`

SourceFileInnerClasses1

"5*()"6()"2Y()"- ()":"9+(-#$)3%&-o(8*+"

E!

`this5Lcom/hazelcast/security/permission/ActionConstants$1;createA(Ljava/lang/String;[Ljava/lang/String;)Ljava/security/Permission;`

Q!


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1.1494 okio 1.17.2

1.1495 numactl 2.0.11 2.1ubuntu0.1

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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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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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```
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```example
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signature of Ty Coon, 1 April 1989
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@end enumerate

@end subheading

@subheading END OF TERMS AND CONDITIONS

@end page

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@example
one line to give the library's name and an idea of what it does.
@end example

@var{one line to give the library's name and an idea of what it does.}
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1.1503 web-api 0.9.2

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1.1507 protocol-buffers 3.4.0

1.1508 iputils 20180629 r1

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1.1516 client 1.0.0 beta.2

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1.1517 protocol-buffers 3.8.0

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1.1518 http2-hpack 9.4.12.v20180830

1.1519 language-pack-gnome-en

18.04+20190718

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Eclipse

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

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

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

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Oracle

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

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

-----

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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The following organisations and people have contributed to the Bouncy Castle Cryptography Package.
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Thanks, may your castles never deflate!
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The following people donated financially to help with the release of 1.63:
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<p>
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<li>Holders of <a href="https://www.cryptoworkshop.com">Crypto Workshop Support Contracts</a>. Without the consulting time left over from support contracts being contributed back to working on the Bouncy Castle APIs, progress would be impossible. You know who you are!</li>
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<li>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></li>
<li><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.</li>
<li>Additional CertPath testing and validation data from the CertPath testing tool developed by <a href="https://www.cryptosource.de">cryptosource GmbH</a> and <a href="https://www.mtg.de">media Transfer AG</a> both located in Darmstadt, Germany.</li>
<li><a href="https://www.microfocus.com/">Micro Focus</a> - additional support towards further developing the TLS/DTLS API and the BCJSSE provider.</li>
</ul>

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<li>Victor A. Salaman &lt;salaman@teknos.com&gt; - fixing the bug in Cipher.java which caused it to ignore specified providers, fixing the bug in RSAKeyGenerator which caused keys to be occasionally produced 1 bit too small.</li>
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Markus Niedermann &lt;markus.niedermann#064;softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

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Shankar Srinivasan &lt;ssid002@&amp;#064;yahoo.com&gt; - S/Mime interoperability testing and debugging.

Stef Hoeben &lt;ilsestef@&amp;#064;skynet.be&gt; - adding Montgomery multiplication to the BigInteger class.

Klaudiusz Ciosk &lt;kciosk@&amp;#064;max.com.pl&gt; - improving the compatibility of the SMIME package with the Sun JCE.

Thomas Houtekier &lt;Thomas.Houtekier@tectrade.net&gt; - S/Mime testing and debugging. Interoperability with Biztalk.

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Sascha Weinreuter &lt;Sascha.Weinreuter@cit.de&gt; - fixed SMIME saveChanges() bug.

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<li>Jarek Gawor &lt;gawor&#064;mcs.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.</li>
<li>Brett Neumeier &lt;random&#064;rnd.md&lt;gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of URLBase64.</li>
<li>Graham Coles &lt;graham.coles&#064;retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.</li>
<li>Jouni von Kattchee &lt;J.Kattchee&#064;seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.</li>
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<li>Marc Doberva &lt;marc.doberva&#064;ilex-si.com&gt; - help in isolating the JSSE/BC RSA key issue.</li>
<li>Graham Coles &lt;graham.coles&#064;retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.</li>
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<li>Joe Cohen &lt;jcohen&#064;forumsys.com&gt; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.</li>
<li>Chris Long &lt;aclong&#064;064ee.cmu.edu&gt; - adding public key decoding to PEMReader.</li>
<li>Hes Siemelink &lt;hes&#064;izecom.com&gt; - fixDlssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.</li>
<li>Stefan Piiu &lt;stefanpuiuro&#064;064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.</li>
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<li>Jiri Urbanec &lt;jiri.urbanec&#064;064logicacmg.com&gt; - patch to fix defect in DERBMPString equals().</li>
<li>Justin Kolb &lt;jkolb&#064;064pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
<li>Ralf Hauser &lt;ralfhauser&#064;064gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>
<li>Michal Dvorak &lt;M_Dvorak&#064;kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.</li>
<li>Klaus Greve Fiorentini &lt;klaus&#064;064cpqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.</li>
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<li>Mariusz Bandola &lt;mariusz.bandola&#064;cryptotech.com.pl&gt; - patch to DER GeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaling with general objects in sequences.</li>
<li>Brien Oberstein &lt;brien.oberstein&#064;transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtility.
Ian Haywood &lt;ian&#064haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.</br>
Jonathan Edwards &lt;s34gull&#064mac.com&gt; - initial support for reading multiple rings from a PGP key file.</br>
Andrew Thornton &lt;andrew&#064caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.</br>
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Francois Staes &lt;fstaes&#064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSDataGenerator, patch to DKG key agreement.</br>
W.R. Dittmer &lt;wdittmer&#064cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullpointer exception.</br>
Perez Paz Luis Alberto &lt;laperez&#064604banxico.org.mx&gt; - patch to use of BitString in X.500 name.</br>
James Wright &lt;James.Wright&#064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.</br>
Jim Ford &lt;jim&#064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</br>
Michael Hausler &lt;haeusler&#064ponton-consulting.de&gt; - extra aliases for provider.</br>
Sai Pullabhotla &lt;psai&#064604linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</br>
Joseph Miller &lt;joseph&#064604digicweb.net.nz&gt; - addition of ZeroBytePadding.</br>
Lars &lt;xxyz&#064604sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.</br>
Jeroen van Vianen &lt;jeroen&#064604vanvianen.nl&gt; - the Signed and Encrypted mail example.</br>
Jun Sun &lt;JSun&#064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.</br>
Petr Dukem &lt;pdukem&#064604email.cz&gt; - patch to CMSGenerator to allow it to work with PKCS11 providers.</br>Filipe Silva &lt;filipe.silva&#064wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.</br>Alpesh Parmar &lt;alps&#064604linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().</br>Jay Gengelbach &lt;jgengelbach&#064604webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.</br>Doug &lt;doug&#064604tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.</br>Matthew Mundy &lt;mmundy1&#064604umbc.edu&gt; - infinite loop prevention patch to PKCS5SIPParametersGenerator.</br>Tom Cargill &lt;cargill&#064604profcon.com&gt; - spelling patch in provider.</br>Breitenstrom Christian &lt;c.Breitenstrom&#064604t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.</br>Zanotti Mirko &lt;zanotti&#064604cad.it&gt; - patch to ordered equality test for X509Name.</br>Nicola Scendoni &lt;nicola&#064babelps.it&gt; - patch to add sorting to CertPath validation.
Ville Skyttä &lt;ville.skytta@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 NullPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley &lt;Miles.Whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.

Albert Moliner &lt;amolinera@064euintia.com&gt; - initial TSP implementation.

Carlos Lozano &lt;carlos@064euintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javier Delgadillo &lt;javj@064javii.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala &lt;ji@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@064sir-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 Yamakawa &lt;ymnak@064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

Nickolay Bolshakov &lt;tyrex@064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer &lt;soren.hilmer@064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.

Steve Mitchell &lt;mitchell@064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.

Dirk Eisner &lt;D.Eisner@seeburger.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.

Matteo &lt;matartuoso@064libero.it&gt; - sequence patch to ASN1Dump.

Andrew Paterson &lt;andrew.paterson@064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.

Vladimir Molotkov &lt;vladimir.n.molotkov@064intel.com&gt; - extensive provider exception handling compliance testing.

Florin Kollan &lt;adlocflo@064web.de&gt; - fix to ElGamalKeyParameters equality testing.

Pavel Vassiliev &lt;paulv@064gmail.com&gt; - Initial GOST28147Mac implementation.

Tom Pesman &lt;tom@064tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.

Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.

Arndt Hasch &lt;Arndt.Hasch@064maxence.de&gt; - additional fix for partial reading with new style PGP packets.

Fix Bernd (KCDP 11) &lt;bernd.fix@064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.
David M. Lee &lt;dmlee@Crossroads.com&gt; - code for add and remove secret key in the PGP SecretKeyRing class. Additions to S/MIME and CMS unit tests.

Mike Dillon &lt;md5@embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.

tu-vi cung &lt;t2cung@hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.

Chris Schultz &lt;cschultz@064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.

David M. Lee &lt;dmlee@Crossroads.com&gt; - implementation assistance with streaming CMS classes.

Joel Rees &lt;rees@064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.

Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.

Larry Bugbee &lt;bugbee@064mac.com&gt; - initial ECNR implementation.

Remi Blancher &lt;Remi.Blancher@064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.

Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.

Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - 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.

David Josse &lt;david.josse@transacttools.net&gt; - Patch for trailer function in version 2 signature packets.

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.

Lawrence Tan &lt;lwrncan@064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.

Carlos Valiente &lt;superdupont@064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.

Keyon AG, Martin Christinat, &lt;a href="http://www.keyon.ch"&gt;http://www.keyon.ch&lt;/a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.

Olaf Keller, &lt;olaf.keller.bc@064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

J&ouml;rg Eichhorn &lt;eichhorn@064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.

Karsten Ohme &lt;widerrstand@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.

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.
Carlos Lozano Ruiz &lt;carlos@064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.

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

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

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

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

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

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


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

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

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

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

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

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

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

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

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

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

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

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

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

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

N&uuml;ria Mar&iacute; &lt;nnumaa@064hotmail.com&gt; - patch for alternate data type recoginition in CMSSignedDataParser.

Janis Schuller &lt;js@064tzi.de&gt; - addition of NotationData packets for OpenPGP.

Michael Samblanet &lt;mike@064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.

Mike StJohns &lt;mstjohns@064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.
Ramon Keller &lt;ramon.keller@064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.

Mark Nelson &lt;mark@064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.

Eugene Golushkov &lt;eugene_gff@064ukr.net&gt; - mask fix to single byte read in TlsInputStream.

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

Peter Knopp &lt;pknopp@064ntg.de&gt; - fix for named curve recognition in EC-GOST key generation.

Jakub Gwozdz &lt;gwozdziu@064rpg.pl&gt; - addition of getTs() to TimestampTokenInfo.

Bartosz Malkowski &lt;bmalkow@064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.

Tal Yacobi &lt;tal.yacobi@064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].

Massimiliano Ziccardi &lt;massimiliano.ziccardi@064gmail.com&lt;gt;&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.

Andrey Pavlenko &lt;andrey.a.pavlenko@064gmail.com&gt; - security manager patch for PKCS1Encoding property check.

J Ross Nicoll &lt;jrn@064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.

Matthew Stevenson &lt;mavrickznz@064yahoo.com&gt; - patch to constructor for CRMF CertSequence.

Gabriele Contini &lt;gcontini@064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEFs.

Roelof Naude &lt;roelof.naude@064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.

Patrick Peck &lt;peck@064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

Michael LeMay &lt;lemaymd@064lemaymd.com&gt; - identified problem with EAX [#BIA-93].

Alex Dupre &lt;ale@064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BIA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BIA-102].

Michael Schoene &lt;michael@064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().

Ion Larrañag&aacute; &lt;ilarra@064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.

Bob Kerns &lt;bob.kerns@positscience.com&gt; - fix to hashCode for X509CertificateObject.

Stefan Meyer &lt;stefan.meyer@064ewe.de&gt; - backport for PKIXCertPathValidator and SMIMESignedMailReviewer.

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Rui Hodai &lt;rui@064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.

Emir Bucalovic &lt;emir.bucalovic@064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Torbjorn Svensson &lt;tobbe79@064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick &lt;bouncycastle_pfitz@064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.

Henrik Andersson &lt;k.henrik.andersson@064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.

Cagdas Cirit &lt;cagdascirit@064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.
<li>Harakiri &lt;harakiri_23@yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques &lt;pmahenriques@gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimmeringer &lt;job@64kimmeringer.de&gt; verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for S/MIME API.</li>
<li>Richard Farr &lt;r.farr.se@64gmail.com&gt; initial SRP-6a implementation.</li>
<li>Thomas Castiglione &lt;castiglione@64au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani &lt;eromani@64sogei.it&gt; patch for recognising multiple counter signatures.</li>
<li>Robin Lundgren &lt;rt37lundgren@gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec &lt;mormegil@64centrum.cz&gt; fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener &lt;antener_a@64gmx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat &lt;hsrawat@64yahoo.com&gt; fix for BERConstructedOctetString.</li>
<li>Rolf Lindemann &lt;lindemann@64trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
<li>Alex Artamonov &lt;alexart.home@64gmail.com&gt; name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons &lt;mlyons@64layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole &lt;chris_h_cole@64yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.</li>
<li>Tomáš Krívanek &lt;tom@64atack.cz&gt; added checking of Sender header to SignedMailValidator.</li>
<li>Michael &lt;emfau@64t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin &lt;trevor@64cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kiläring &lt;markus@64primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic &lt;darionis@64yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith &lt;msmith@64cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio@64gmail.com&gt; fix for PEM password encryption of private keys.</li>
<li>Alex Birkett &lt;alex@64birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
<li>Wayne Grant &lt;wayne@64idc.com&gt; additional OIDs for PKCS10 and certificate generation support.</li>
<li>Frank Cornelis &lt;info@64frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner &lt;jan@64dittberner.info&gt; addHeader patch for SMIME generator.</li>
<li>Bob McGowan &lt;boab.mcgoo@64internet.com&gt; patch to support different object and mgf digests in PSS signing.</li>
<li>Ivo Matheis &lt;ivo@64seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini &lt;nessche@64gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf &lt;alfilmalf@64hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa &lt;alfonso.massa@64insiel.it&gt; contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo &lt;gboccardo@64unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.
<li>Arnis Tartu &lt;arnis@ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociski &lt;J.Sikocinski@gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev &lt;jhudolejev@064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten &lt;liane.velten@064hjp-consulting.com&gt; fine tuning of code for DHParameters validation.</li>
<li>Shawn Willden &lt;swillden@064google.com&gt; additional functionality to PGPKeyRing.</li>
<li>Atanas Krachev &lt;krachev@064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>
<li>Tim Buktu &lt;tbuktu@064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
<li>Bernd &lt;bernd@064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak &lt;stein.inge.morisbak@064BEKK.no&gt; Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid &lt;andreas.schmid@064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz &lt;phil.steitz@064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Ignat Korchagin &lt;ignat.korchagin@064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
<li>Petar Petrov &lt;p.petrov@064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.</li>
<li>Daniel Fitzpatrick &lt;daniel.f.nwr@064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
<li>Andy Neilson &lt;Andy.Neilson@quest.com&gt; a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw &lt;xiao.xj@064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eleriseth &lt;Eleriseth@WPECGLtYbVi8Rl6Y7Vzl2Lv2EUVW99v3yNV3IWRoG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny@064the-b.org&gt; patch for issuerAltName, subjectAltName support in 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@064gyahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bdc@064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lid&eacute;n Borell &lt;samuel@primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.</li>
<li>Sergio Demian Lerner &lt;sergiolerner@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 Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes.
cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on
EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code
quality work.

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

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

Sergey Tiunov &lt;t5555d@#064gmail.com&gt; initial cut of DVCS classes.

Damian Kolasa &lt;fatredyy@#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.

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

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

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

Matti Aarnio &lt;matti.aarnio@#064memics.fi&gt; tweaks to any build to remove dependence on shell scripts.

Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes,
addition of NONEwithRSA to lightweight RSADigestSigner.

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

Eric Muller &lt;eric.mueller@#064sage.de&gt; additional standard algorithm name lookups in
JcaPEMKeyConverter.

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

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

Daniele Grasso &lt;daniele.grasso86@#064gmail.com&gt; contributions to final Key calculation code for
SRP6.

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

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

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

Roberto Tyley &lt;roberto.tyley@#064gmail.com&gt; further work on completing gradle build.

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

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

Alex Klyubin &lt;alex.klyubin@#064gmail.com&gt; AlgorithmParameters check for EC key agreement.

Jonathan Gillett &lt;gsoc.student@#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES
MAC length check bug fix.

Andreas Reiter &lt;andreas.reiter@#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify
processing in (D)TLS server, and provided fix.

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

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

Daniel Heldt &lt;Daniel.Heldt@#064cryptovision.com&gt; Initial support for encodable state message
digests.

Robert Bushman &lt;bouncycastle@#064traxel.com&gt; Clean up of DirectKeySignature example.

Maurice Aarts &lt;maurice.aarts@#064iscure.com&gt; updated to KDF generator to follow NIST SP 800-108.
Franziskus Kiefer [https://github.com/franziskuskiefer]: initial implementation of Cramer-Shoup.

KB Sriram [mailto_kb@#064yahoo.com]: testing for odd encodings for PGP User Attribute Subpackets.

Marco Schulze [marco@#064nightlabs.de]: Reported verification bug in GenericSigner.

Martin Schaefer [https://github.com/martinschaefer]: contributed a code-cleanup patch.

dstutz [https://github.com/dstutz]: added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich [mailto_tobias.wich@#064eccsec.de]: Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrtens [mailto_hauke@#064hauke-m.de]: TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman [mailto_dmz@#064galois.com]: Further key quality improvements to RSAKeyPairGenerator.

Jens Kapitza [mailto_jkapitza@#064schwarze-allianz.de]: Iterable support in OpenPGP API, code cleanup in OpenPGP API.

Johan Eklund [mailto_johan@#064primekey.se]: update to RFC 6960 for OCSPObjectIdentifiers.

nikosn [https://github.com/nikosn]: Fix to encoding of EC private keys to ensure encoding matches order length.

Axel von dem Bruch [mailto_axel-odb@#064riseup.net]: Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.

Derek Atkins [mailto_derek@#064htfp.com]: Documentation fixes to X9ObjectIdentifiers.

Peter Jr Halicky [mailto_peto@#064halicky.sk]: Correction to notification/error message handling in SignedMailValidator.

lartiguePierre [https://github.com/lartiguePierre]: Fix for counter signature SID in CMSSignedData.

Thomas Belot [mailto_thomas.belot@BC#064gmail.com]: initial CertPathLoopTest for demonstrating stack overflow issue.

Rich DiCroce [https://github.com/rdicroce]: Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.

Bjouml;ouml;rn Kautler [mailto_bjouml;ouml;rnKautler@https://github.com/Vampire]: Refinements to cert path validation (authority key addition, certificate order preservation).

Dominik Sch&uuml;rmann [https://github.com/dschuermann]: method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in GPGSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.

Michael [mailto_MSKnete@#064web.de]: initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.

Leonard Dallot [mailto_dallotTazTag@https://github.com/dallotTazTag]: Fix to S2K usage of none on changing passwords on keys without passwords originally.

Jan Willem Janssen [mailto_j.w.janssen@bouncycastle.org]: Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.

Sebastian Oerding [mailto_sebastian.oerding@robotron.de]: Fixes to toString() in x509.CertificatePolicies.

Kai Kramer [mailto_kai.kramer@#064gmail.com]: Code to deal with orphaned chain certificates in the PKCS#12
KeyStore.</li>
<li>Benoit Charles &lt;benoit.charles@opentrust.com&gt; Fix for IES data length check on decryption.</li>
<li>Niko &lt;nfink@opentrust.com&gt; fix to cast issue in getOutputSize() for ECIES.</li>
<li>akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variable keys.</li>
<li>Matthias Edelhoff &lt;Matthias.Edelhoff@cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
<li>Lu&"zk"s Deputat &lt;lukasz.deputat@opentrust.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].</li>
<li>Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGObjectFactory to handle stream packets at start of iterated data.</li>
<li>Andr&egrave;eacut;e Berenguel &lt;https://github.com/aberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>
<li>Sławomir Jaranaowski &lt;https://github.com/slawejaranaowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.</li>
<li>Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.</li>
<li>William Glanton &lt;wglanton77@opentrust.com&gt; Fixed bug in Poly1305 [#BJA-620].</li>
<li>jdvorak001 &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.</li>
<li>Joseph Naegle &lt;jnaegle@64grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>
<li>Andrew Bonventre &lt;https://github.com/andybons&gt; NullPointer patch for WNafUtil.</li>
<li>The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.</li>
<li>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.</li>
<li>Joerg Senekowitsch &lt;joerg.senekowitsch@veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>
<li>Alexandr Krivoshta &lt;wipe@64ya.ru&gt; N4 calculation fix to GOFB mode.</li>
<li>Artem Storozhuk &lt;storojs72@opentrust.com&gt; N4 calculation fix to GOFB mode.</li>
<li>Na Yu &lt;na.yu@64samsung.com&gt; Constructor patches to CMC PKIData.</li>
<li>Evangelos Karatsiolis &lt;ekaratsiolis@64veridos.com&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
<li>VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.</li>
<li>mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.</li>
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.</li>
<li>didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.</li>
<li>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.</li>
<li>Artem Storozhuk &lt;storojs72@opentrust.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>
<li>Andreas Glaser &lt;andreas.glaser@64gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.
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.

eksszz &lt;https://github.com/eckszz&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@064bitconsulting.com&gt; performance fixes for CTRSP800DRBG.

David Straw &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYP'T bounds checking.

chris mccown &lt;0xchrismcown&#064gmail.com&gt; Identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).

ZZMarquis &lt;https://github.com/ZZMarquis&gt; Offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.

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

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

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

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

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

Shartung &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).

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

fgrieu &lt;fgrieu&#064gmail.com&gt; Identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSAEngine.

MTG &lt;https://github.com/mtgag&gt; Patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.

Andreas Gadermaier &lt;up.gadermaier&#064gmail.com&gt; Initial version of Argon2 PBKDF algorithm.

Tony Washer &lt;tony.washer@yahoo.co.uk&gt; Review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.

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


Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; Corrected comments in RSA validation.

sarah-mdv &lt;https://github.com/sarah-mdv&gt; Improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.
<li>Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.</li>
<li>Gilis95 &lt;https://github.com/Gilis95&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/atoulme&gt; Initial implementation of EthereumIESEngine.</li>
<li>Golden Loooy &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.</li>
<li>Moses Palm&eacute;r, TrueSec &lt;Henrik.Palmer#064truesec.se&gt; Additional improvements to constant time comparisons.</li>
<li>Ren&eacute; Korthaus &lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>
<li>THausherr &lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>
<li>Gaylor Bosson &lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</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/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt;tobias@#064pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.</li>
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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();
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 = -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.
     */

}
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:
 * 
 * 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.
 * 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.
 * 
 * @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 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 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 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
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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=--------------------------=

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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1.1553 glibc 2.24-11+deb9u4

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1.1561 go-cache 5633e0862

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1.1562 checker-compat-qual 2.5.2

1.1563 sshd-core 1.7.0
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1.1569 openwebbeans-impl 1.6.3

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DOCUMENTATION ROADMAP
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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
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Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
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*.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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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

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

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

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

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

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look 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
The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems.

IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design.

Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

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

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

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

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.
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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
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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.
The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

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

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

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

As always, speeding things up is of great interest.

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

1.1576 libunistring 0.9.9 0ubuntu2

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along with this program.  If not, see @url{http://www.gnu.org/licenses/}.
@end smallexample

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

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

@smallexample
@var{program} Copyright (C) @var{year} @var{name of author}
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 smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show
the appropriate parts of the General Public License.  Of course, your
program's commands might be different; for a GUI interface, you would
use an ``about box''.

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1.1577 jboss-logging 3.3.2
1.1577.1 Available under license :

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1.1578 hazelcast-client-protocol 1.8.0

1.1579 neo4j-annotation-processors 3.5.4

1.1579.1 Available under license :

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1.1580 python-defaults 2.7.15~rc1-1

1.1580.1 Available under license:
This is the Debian GNU/Linux prepackaged version of the Python programming
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This package was put together by Klee Dienes <klee@debian.org> from
sources from ftp.python.org:/pub/python, based on the Debianization by
the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and
Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final
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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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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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 */

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;
    }
    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 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;
            } 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;
            }
        }
        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;
    }
}


    return mask;
    }
    }

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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 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;
    }

}
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 mask;
    }
}

package com.hazelcast.security.permission;

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

*/

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 */
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 Permission nextElement() {

            }
        }
    }

    @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;
    }
}

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//
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;

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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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;
    }
}

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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 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_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }

            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;
            } else 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;
            }
        }

        return mask;
    }
}
} 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 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;
        return mask;
    }

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     */
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;

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;

    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;
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;
    }
}
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;
    }
}
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 MultiMapPermission extends MapPermission {

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

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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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*
* @see com.hazelcast.security.jsm
*/
package com.hazelcast.security.permission;
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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(" ");
}
// 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()) {

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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 (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;

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.usercodedeploymentUserCodeDeploymentService;
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, PermissionsFactory>();

    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);
            }
        });
    }
}
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);
    }
});
@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);
}

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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 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;
            } 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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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 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 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;
    }
}

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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;
            } else 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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 */
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;
    }
}
} 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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1.1609 json-c 0.99.8 2

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1.6111 grpc-stub 1.25.0

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1.1628 checker-qual 2.10.0

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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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Upstream-Contact: Michael Kerrisk <mtk.manpages@gmail.com>, linux-man@vger.kernel.org
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Files: Changes Changes.old Makefile README *Announce *lsmod
    proj.man-pages.desc proj.man-pages.pages
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Files: man3/CIRCLEQ_ENTRY.3 man3/CIRCLEQ_HEAD.3 man3/CIRCLEQ_INIT.3
man3/CIRCLEQ_INSERT_AFTER.3 man3/CIRCLEQ_INSERT_BEFORE.3
man3/CIRCLEQ_INSERT_HEAD.3 man3/CIRCLEQ_INSERT_TAIL.3
man3/CIRCLEQ_REMOVE.3 man3/LIST_EMPTY.3 man3/LIST_ENTRY.3
man3/LIST_FIRST.3 man3/LIST_FOREACH.3 man3/LIST_HEAD.3
man3/LIST_HEAD_INITIALIZER.3 man3/LIST_INIT.3
man3/LIST_INSERT_AFTER.3 man3/LIST_INSERT_BEFORE.3
man3/LIST_INSERT_HEAD.3 man3/LIST_INSERT_TAIL.3
man3/LIST_REMOVE.3 man3/LIST_REMOVE_HEAD.3
man3/SLIST_EMPTY.3 man3/SLIST_ENTRY.3 man3/SLIST_FIRST.3
man3/SLIST_FOREACH.3 man3/SLIST_HEAD.3 man3/SLIST_HEAD_INITIALIZER.3
man3/SLIST_INIT.3 man3/SLIST_INSERT_AFTER.3 man3/SLIST_INSERT_HEAD.3
man3/SLIST_REMOVE.3 man3/SLIST_REMOVE_HEAD.3
man3/STAILQ_CONCAT.3 man3/STAILQ_EMPTY.3 man3/STAILQ_ENTRY.3
man3/STAILQ_HEAD_INITIALIZER.3 man3/STAILQ_INIT.3
man3/STAILQ_INSERT_AFTER.3 man3/STAILQ_INSERT_BEFORE.3
man3/STAILQ_INSERT_HEAD.3 man3/STAILQ_INSERT_TAIL.3
man3/STAILQ_REMOVE.3 man3/STAILQ_REMOVE_HEAD.3
man3/TAILQ_CONCAT.3 man3/TAILQ_EMPTY.3 man3/TAILQ_ENTRY.3
man3/TAILQ_FOREACH.3 man3/TAILQ_HEAD.3
man3/TAILQ_FOREACH_REVERSE.3 man3/TAILQ_HEAD.3
man3/TAILQ_HEAD_INITIALIZER.3 man3/TAILQ_INIT.3
man3/TAILQ_INSERT_AFTER.3 man3/TAILQ_INSERT_BEFORE.3
man3/TAILQ_INSERT_HEAD.3 man3/TAILQ_INSERT_TAIL.3
man3/TAILQ_LAST.3 man3/TAILQ_NEXT.3 man3/TAILQ_PREV.3
man3/TAILQ_REMOVE.3 man3/TAILQ_SWAP.3 man3/forkpty.3
man3/getloadavg.3 man3/login_tty.3
man3/openpty.3 man3/queue.3 man7/operator.7 man7/symlink.7

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Files: man2/accept.2 man2/accept4.2 man2/fruncate.2 man2/fruncate64.2
man2/getpeername.2 man2/getpgid.2 man2/getpgrp.2 man2/getpriority.2
man2/getsockname.2 man2/getsockopt.2 man2/ioctl.2 man2/killpg.2
man2/listen.2 man2/seek.2 man2/readlink.2 man2/readlinkat.2
man2/revc.2 man2/revcfrom.2 man2/recremsg.2 man2/send.2 man2/sendmsg.2
man2/sendto.2 man2/setpgid.2 man2/setpgrp.2 man2/setpriority.2
man2/setregid.2 man2/setregid32.2 man2/setreuid.2 man2/setreuid32.2
man2/setsockopt.2 man2/shutdown.2 man2/socket.2 man2/socketpair.2
man2/syscall.2 man2/fruncate.2 man2/fruncate64.2 man3/aloca.3
man3/auth_destroy.3 man3/authnone_create.3 man3/authunix_create.3
Files: man7/regex.7
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Files: man2/nfsservctl.2 man3/getnameinfo.3 man3/grantpt.3 man3/ptsname.3
man3/ptsname_r.3 man3/stderr.3 man3/stdin.3 man3/stdout.3
man3/unlockpt.3 man5/tzfile.5 man7/vdso.7 man8/ld-linux.8
man8/ld-linux.so.8 man8/ld.so.8 man8/tzselect.8 man8/zdump.8
man8/zic.8
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Files: man1/intro.1 man1/locale.1 man1/pldd.1 man1/sprof.1 man2/_Exit.2
man2/_exit.2 man2/_Ilseek.2 man2/_newselect.2 man2/_sysctl.2
man2/access.2 man2/alarm.2 man2/alloc_hugepages.2 man2/arch_prctl.2
man2/arm_fadvise.2 man2/arm_fadvise64_64.2 man2/arm_sync_file_RANGE.2
man2/bpf.2 man2/chdir.2 man2/chmod.2 man2/chown.2 man2/chown32.2
man2/chroot.2 man2/clock_getres.2 man2/clock_gettime.2
man2/clock_nanosleep.2 man2/clock_settime.2 man2/close.2
man2/copy_file_range.2 man2/creat.2 man2/delete_module.2 man2/dup.2
man2/dup2.2 man2/dup3.2 man2/execve.2 man2/execveat.2 man2/exit.2
man2/exit_group.2 man2/faccessat.2 man2/fadvise64.2
man2/fadvise64_64.2 man2/fanotify_init.2 man2/fanotify_mark.2
man2/fchdir.2 man2/fchmod.2 man2/fchmodat.2 man2/fchown.2
man2/fchown32.2 man2/fchownat.2 man2/fcntl.2 man2/fcntl64.2
man2/fdatasync.2 man2/finit_module.2 man2/flock.2 man2/fork.2
man2/free_hugepages.2 man2/fstat.2 man2/fstat64.2 man2/fstatat.2
man2/fstatat64.2 man2/fstatfs.2 man2/fstatfs64.2 man2/fstatvfs.2
man2/fsync.2 man2/futimesat.2 man2/get_mempolicy.2
man2/get_robust_list.2 man2/getcontext.2 man2/getcpu.2 man2/getcwd.2
man2/getdents.2 man2/getdents64.2 man2/getdomainname.2
man2/getdtablesize.2 man2/getegid.2 man2/getegid32.2 man2/geteuid.2
man2/getegid32.2 man2/getgid.2 man2/getgid.2 man2/getgid32.2 man2/getgroups.2
man2/getgroups32.2 man2/gethostname.2 man2/gethostid.2
man2/gethostname.2 man2/getpagesize.2 man2/getppid.2 man2/getrandom.2
man2/getresgid.2 man2/getresgid32.2 man2/getresuid.2
man2/getresuid32.2 man2/getrlimit.2 man2/getrusage.2 man2/gettimeofday.2
man2/idle.2 man2/llseek.2 man2/ioctl.2 man2/ioctl_n.2 man2/ioctl_userfaultfd.2
man2/ioctl.2 man2/kcmp.2 man2/kexec_file_load.2 man2/kexec_load.2
man2/keyctl.2 man2/kill.2 man2/lchown.2 man2/lchown32.2 man2/link.2
man2/linkat.2 man2/lseek.2 man2/lookup_dcookie.2 man2/Istat.2
man2/Istat64.2 man2/advise.2 man2/mbind.2 man2/membarrier.2
man2/migrate_pages.2 man2/mncore.2 man2/mmap.2 man2/mmap2.2
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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 2 of the License, or
import re
import sys
import textwrap
from pathlib import Path

license_information = [
    {
        'shortname': 'BSD-3-clause',
        'filename': 'BSD-3-clause-UCB',
        'upstream_names': ['BSD_3_CLAUSE_UCB'],
    },
    {
        'shortname': 'BSD-4-clause',
        'filename': 'BSD-4-clause-UCB',
        'upstream_names': ['BSD_4_CLAUSE_UCB', 'BSD_ONELINE_CDROM'],
    },
    {
        'shortname': 'Expat',
        'filename': 'Expat',
        'upstream_names': ['PERMISSED_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': ['GPL_NOVERSION_ONELINE', 'GPLv2+',
    'GPLv2+_DOC_FULL', 'GPLv2+_DOC_MISC',
    'GPLv2+_DOC_ONEPARA', 'GPLv2+_SW_3_PARA',
    'GPLv2+_SW_ONEPARA'],
},

# This shortname is not defined by the standard.
'shortname': 'henry-spencer-regex',
'filename': 'henry-spencer-regex',
'upstream_names': ['MISC'],
},

# This shortname is not defined by the standard.
'shortname': 'LDPv1',
'filename': 'LDPv1',
'upstream_names': ['LDPv1'],
},

# This shortname is not defined by the standard.
'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:
                already_found = True
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 = "\n   ".join(files)
    # Now format the copyright holders
    copyright = "\n     ".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"
    return stanza

def get_license_text(shortname):
    """Gets the text for the Debian license shortname.""
    text = ""
    for info in license_information:
        pass
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?/*/\n"):
    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(r"^\.so (.*)", line)
    if symlink:
        manpage_is_symlink = True
        # Ensure a string for the filename
        linkname = str(manpage)
        # Strip the leading "../"
        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"^\S+\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".join(license_texts))

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1.1661 spring-boot-actuator 1.5.8

1.1662 apache-aries-jpa-blueprint 2.7.0

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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.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.http.server.AbstractHttpConnection;
import org.eclipse.jetty.http.server.Dispatcher;
import org.eclipse.jetty.httpserver.ResourceCache;
import org.eclipse.jetty.httpserver.Response;
import org.eclipse.jetty.httpserver.handler.ContextHandler;
import org.eclipse.jetty.httpserver.nio.NIOConnector;
import org.eclipse.jetty.httpserver.ssl.SslConnector;
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. :
* 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 file 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. Usefull 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;
        }
    } else
    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);
    }
}

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 + ", " +
                servletContext.getClass().getName() + " 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 = _getPathInfoOnly ?"/":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.getRequestURI()+" 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(_servletContext.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=_servletContext.getMimeType(pathInContext);  
    if (mt!=null)  
        response.setContentType(mt);  
}  
sendData(request,response,included.booleanValue(),resource,content,reqRanges);  
}
}
}
else  
{
    String welcome=null;

    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.setContentType(0);  
            String q=request.getQueryString();  
            if (q!=null&&q.length()!=0)  
            {  
                response.sendRedirect(response.encodeRedirectURL(_servletContext.getContextPath(),welcome)+"?"+q));  
            }
        }
    }  
}  
// else look for a welcome file  
else if (null!=(welcome=getWelcomeFile(pathInContext)))  
{  
    LOG.debug("welcome={}",welcome);  
    if (_redirectWelcome)  
    {  
        // Redirect to the index  
        response.setContentType(0);  
        String q=request.getQueryString();  
        if (q!=null&&q.length()!=0)  
            response.sendRedirect(response.encodeRedirectURL(_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();
}

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

/* (non-Javadoc)
* @see javax.servlet.http.HttpServlet#doOptions(javax.servlet.http.HttpServletRequest,
* javax.servlet.http.HttpServletResponse)
*/
@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 Resource. This will be the first entry in the list of
* configured welcome files that existing within the directory referenced by the Resource.
* 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 null is returned.
* The list of welcome files is read from the ContextHandler for this servlet, or
* "index.jsp", "index.html" if that is null.
* @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;
                        }
                    }
                }
            }
        }
    }
    catch (IOException e)
    {
        return false;
    }
    return true;
}
long ifmsl = request.getDateHeader(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;

/* ------------------------------------------------------------------- */
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).useDirectBuffers() &&
    ! (connector instanceof SslConnector);
    content_length = content.getContentLength();
}

// Get the output stream (or writer)
OutputStream out = null;
boolean written = false;
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
{
    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 we're 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);
return;
}

// 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 +
    (ibr.getLast(content_length) - ibr.getFirst(content_length)) + 1;
}
length += 2 + 2 + multi.getBoundary().length() + 2 + 2;
response.setContentType(content.getContentType().toString());
if (response instanceof Response)
{
    Response r=(Response)response;
}

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());
}

/*@see javax.servlet.Servlet#destroy()*/
@Override
public void destroy()
{
    if (_cache!=null)
        _cache.flushCache();
    super.destroy();
}

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3.2.4_1

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-- vile: txtmode file-encoding=utf-8
Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

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

Files: *
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Files: doc/html/NCURSES-Programming-HOWTO.html
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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
1.1707 spring-cloud-commons 2.1.4

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1.1721 fsnotify 1.5.2 0.7.git269f928.el7

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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.
 *
 * @return the name of the license
 */
String name();

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

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1.1738 spring-boot-configuration-metadata

1.5.8

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1.1773 txw2 2.2.11

1.1774 apache-aries-jpa-eclipselink-adapter

2.7.0

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 */

package org.springframework.test.context.junit4.orm.domain;

/**
 * DriversLicense POJO.
 *
 * @author Sam Brannen
 * @since 3.0
 */

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;
}

<?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>

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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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1.6.2

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It was taken over by Matthias Urlichs <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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mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpi-mul2.S,
mpi/hppa1.1/mpi-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,
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Libgcrypt used to be part of GnuPG but has been taken out into its own package on 2000-12-21.

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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

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

The `mod`'s `_random` module includes code based on a download from
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the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
e-mail: m-mat@math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and
:func:`getnameinfo`, which are coded in separate source files from the WIDE


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

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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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Original location:
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Solution inspired by code from:
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cfuhash
-------

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

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

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### 1.1786 nspr 4.20 r0

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AES in libhcrypto

Optimised ANSI C code for the Rijndael cipher (now AES)

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D3DES (V5.09) -

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History:
Date Who What
21Jun1998 dl Create public version
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History:
Date       Who                What
28oct1999 dl Created
14dec1999 dl jmm snapshot
19apr2000 dl use barrierLock
12jan2001 dl public release
17nov2001 dl Minor tunings
20may2002 dl BarrierLock can now be serialized.
09dec2002 dl Fix interference checks.
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12jan2001 dl public release
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24oct2003 dl Segment implements Serializable
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1.1799 linux-kernel 3.10.87

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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 case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
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```c
static inline int license_is_gpl_compatible(const char *license)
{
    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);
}
```

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1.1801 spring-aop 5.0.5

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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

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Java port of ubidi_props.h/.c.
This locale data is based on the ICU’s Vietnamese locale data (rev. 1.38) found at:


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accompanied this code).
<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".

<p><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.

<p><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>.</p>

<p>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

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<code>ReplaceableString</code> is an adapter class that implements the <code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.</p>

<p><em>Note:</em> This class does not support attributes and is not intended for general use. Most clients will need to implement <code>@link Replaceable</code> 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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1.1814 wmi4java 1.6.1

1.1815 servicemixspecsactivationapi 2.5.0
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1.1.1

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1.1827 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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```
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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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

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@c man end

DRuntime: Runtime Library for the D Programming Language
========================================================================

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

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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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1.1842 dh-runit 2.8.6

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1.1844 pax-transx-tm-api 0.4.0

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1.1845 jline-remote-ssh 3.9.0

1.1846 cas-server-core-audit 5.2.0

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1.847 guava 18.0

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
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1.1850 cas server core configuration 5.2.0

1.1851 commons-lang 3.3.2
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Also add information on how to contact you by electronic and paper mail.

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

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

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
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You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here a sample; alter the names:

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

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

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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.
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;
}

Open Source Used In Crosswork Optimization Engine 1.114458
sub v_year
# returns the latest copyright year shown in perl -v
{

    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b\{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\nModule-Build mailing list at <module-build@perl.org>.,"
built_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  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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1.1886 opencensus-api 0.21.0

1.1887 log4j-api 2.12.1

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This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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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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Cheers,

Wilco

----- Original Message ----- 
From: "Kevin Ma" <kma@google.com>
To: <Wilco.Dijkstra@ntlworld.com>
Sent: Thursday, June 23, 2011 11:44 PM
Subject: Fwd: sqrt routine

Hi Wilco,

I saw your sqrt routine from several web sites, including http://www.finesse.demon.co.uk/steven/sqrt.html.

Just wonder if there's any copyright information with your Successive approximation routines, or if I can freely use it for any purpose.

Thanks.

Kevin

/*

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/*
* SpanDSP - a series of DSP components for telephony
* 
* g711.h - In line A-law and u-law conversion routines
* 
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/*
 * SpanDSP - a series of DSP components for telephony
 * 
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 * Chengxiang Lu and Alex Hauptmann
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 * $Id: pa_memorybarrier.h 1240 2007-07-17 13:05:07Z bjornroche $ 
 * Portable Audio I/O Library
 * Memory barrier utilities
 *
 * Author: Bjorn Roche, XO Audio, LLC
 *
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/*
* $Id: pa_ringbuffer.c 1421 2009-11-18 16:09:05Z bjornroche $
* Portable Audio I/O Library
* Ring Buffer utility.
*
* Author: Phil Burk, http://www.softsynth.com
* modified for SMP safety on Mac OS X by Bjorn Roche
* modified for SMP safety on Linux by Leland Lucius
* also, allowed for const where possible
* modified for multiple-byte-sized data elements by Sven Fischer
*
* Note that this is safe only for a single-thread reader and a
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*
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TECHNOLOGY PREVIEW LICENSE AGREEMENT: Rest of the World Agreement version 2.4

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# makefile.*
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## others. All Rights Reserved.

## 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\s*: /g\" > $@;\n[ -s $@ ] \|
| rm -f $@

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \|
| sed \"\s/(\$\*)\o\s*: /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
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Oleg Smolsky <oleg.smolsky@gmail.com>
* MS Visual Studio error format option.
* Detect unordered_map in stl_hash.m4.
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* gzip/zlib I/O support.
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* Added generation of field number constants.
Wink Saville <wink@google.com>
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Will Pierce <willp@nuclei.com>
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Alexandre Vassalotti <alexandre@peadrop.com>
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Scott Stafford <scott.stafford@gmail.com>
* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
Alexander Melnikov <alm@sibmail.ru>
* HPUX support.
Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>

* 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.

Michael Kucharski <m.kucharski@gmail.com>

* Added CodedInputStream.getTotalBytesRead().

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

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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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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 small.example

The hypothetical commands @samp{show w} and @samp{show c} should show
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use an `about box`.

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FFmpeg:

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these parts are used by default, you have to explicitly pass --enable-gpl to
configure to activate them. In this case, FFmpeg's license changes to GPL v2+.

Specifically, the GPL parts of FFmpeg are

- libpostproc
- libmpcodecs
- optional x86 optimizations in the files
  libavcodec/x86/idct_mmx.c
- libutvideo encoding/decoding wrappers in
  libavcodec/libutvideo*.cpp
- the X11 grabber in libavdevice/x11grab.c
- the swresample test app in
  libswresample/swresample-test.c
- the texi2pod.pl tool
- the following filters in libavfilter:
  - f_ebur128.c
  - vf_blackframe.c
  - vf_boxblur.c
  - vf_colormatrix.c
  - vf_cropdetect.c
  - vf_decimate.c
  - vf_delogo.c
  - vf_geq.c
  - vf_histeq.c
  - vf_hqdn3d.c
  - vf_kerndeint.c
  - vf_mdeint.c
  - vf_mp.c
  - vf_owdenoise.c
  - vf_perspective.c
  - vf_phase.c
  - vf_pp.c
  - vf_pullup.c
  - vf_sab.c
  - vf_smartblur.c
  - vf_spp.c
  - vf_stereo3d.c
  - vf_super2xsai.c
  - vf_tinterlace.c
  - vsrc_mptestssrc.c

Should you, for whatever reason, prefer to use version 3 of the (L)GPL, then
the configure parameter --enable-version3 will activate this licensing option
for you. Read the file COPYING.LGPLv3 or, if you have enabled GPL parts,
COPYING.GPLv3 to learn the exact legal terms that apply in this case.

There are a handful of files under other licensing terms, namely:
* The files libavcodec/jfdctfst.c, libavcodec/jfdctint_template.c and libavcodec/jrevdct.c are taken from libjpeg, see the top of the files for licensing details. Specifically note that you must credit the IJG in the documentation accompanying your program if you only distribute executables. You must also indicate any changes including additions and deletions to those three files in the documentation.

external libraries
==================

FFmpeg can be combined with a number of external libraries, which sometimes affect the licensing of binaries resulting from the combination.

compatible libraries
---------------------

The following libraries are under GPL:
- frei0r
- libcdio
- libutvideo
- libvidstab
- libx264
- libx265
- libxavs
- libxvid

When combining them with FFmpeg, FFmpeg needs to be licensed as GPL as well by passing --enable-gpl to configure.

The OpenCORE and VisualOn libraries are under the Apache License 2.0. That license is incompatible with the LGPL v2.1 and the GPL v2, but not with version 3 of those licenses. So to combine these libraries with FFmpeg, the license version needs to be upgraded by passing --enable-version3 to configure.

incompatible libraries
-----------------------

The Fraunhofer AAC library, FAAC and aacplus are under licenses which are incompatible with the GPLv2 and v3. We do not know for certain if their licenses are compatible with the LGPL.

If you wish to enable these libraries, pass --enable-nonfree to configure.

But note that if you enable any of these libraries the resulting binary will be under a complex license mix that is more restrictive than the LGPL and that may result in additional obligations. It is possible that these restrictions cause the resulting binary to be unredistributeable.

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

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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
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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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# This file contains a list of people who've made non-trivial contribution to the Google C++ Testing Framework project. People who commit code to the project are encouraged to add their names here. Please keep the list sorted by first names.

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[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 changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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

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

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

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
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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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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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

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

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

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

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

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

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

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

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

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Appendix: How to Apply These Terms to Your New Libraries

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Samba temporary memory allocation functions

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; This is a header file for the x264ASM assembly language, which uses
; NASM/YASM syntax combined with a large number of macros to provide easy
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; abstraction between different calling conventions (x86_32, win64, linux64).
; It also has various other useful features to simplify writing the kind of
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Glenn Randers-Pehrson
glenrp@users.sourceforge.net
July 7, 2011

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.4, March 14th, 2010

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

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary
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We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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

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

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

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

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

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

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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The IJG distribution formerly included code to read and write GIF files.
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be combined with the library in order to run.

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
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- 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
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- 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:

1.1914 lz4 1.8.3-1

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include/bsd/vis.h
man/bitstring.3bsd
man/errc.3bsd
man/explicit_bzero.3bsd
man/fgetln.3bsd
man/fgetwln.3bsd
man/fpurge.3bsd
man/funopen.3bsd
man/getbsize.3bsd
man/heapsort.3bsd
man/nlist.3bsd
man/queue.3bsd
man/radixsort.3bsd
man/reallocarray.3bsd
man/reallocf.3bsd
man/setmode.3bsd
man/strmode.3bsd
man/strnstr.3bsd
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man/humanize_number.3bsd
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1.1918 hikaricp 2.7.2

1.1919 hazelcast wm 3.8.3

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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 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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+-----------------+--------------+------------+------------+-----------------+
| 1.6             | 1.5.2        | 2000       | CNRI       | no              |
+-----------------+--------------+------------+------------+-----------------+
| 2.0             | 1.6          | 2000       | BeOpen.com | no              |
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| 1.6.1           | 1.6          | 2001       | CNRI       | no              |
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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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---------------------------------

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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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SipHash24
--------

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

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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libffi
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The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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-------

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

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

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

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

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Oracle OpenJDK

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* java.sun.security.ssl

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

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

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

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

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org.eclipse.jetty.toolchain:jetty-schemas

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Upstream source https://invisible-island.net/ncurses/ncurses-examples.html

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

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notice like this when it starts in an interactive mode:

@example
@var{program} Copyright (C) @var{year} @var{name of author}
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

The hypothetical commands @samp{show w} and @samp{show c} should show
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1.1942 jaxb-runtime 2.3.1

1.1943 e2fsprogs 1.44.5 1

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Theodore Ts'o
23-June-2007

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That's all there is to it!
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
/*
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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

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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>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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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".

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

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Gadi Oxman, August 1995

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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"

_buildddir="$srcdir/$_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"
# 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"

_prebuilddir="$srcdir/libart_lgpl-$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"
/*
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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 $$
1.1948 javax-activation 1.2.0

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 */
package javax.activation;

import java.util.Map;
import java.util.WeakHashMap;

/**
 * The CommandMap class provides an interface to a registry of
 * command objects available in the system.
 * Developers are expected to either use the CommandMap
 * implementation included with this package (MailcapCommandMap) or
 * develop their own. Note that some of the methods in this class are
abstract.
/
public abstract class CommandMap {
    private static CommandMap defaultCommandMap = null;
    private static Map<ClassLoader, CommandMap> map =
    new WeakHashMap<ClassLoader, CommandMap>();

    /**
     * Get the default CommandMap.
     *
     * <ul>
     * <li> In cases where a CommandMap instance has been previously set
     *      to some value (via &lt;i&gt;setDefaultCommandMap&lt;/i&gt;)
     *      return the CommandMap.
     * <li>
     *      In cases where no CommandMap has been set, the CommandMap
     *      creates an instance of &lt;code&gt;MailcapCommandMap&lt;/code&gt; and
     *      set that to the default, returning its value.
     * <li>
     * <ul>
     * <li>
     * @return the CommandMap
     */
    public static synchronized CommandMap getDefaultCommandMap() {
        if (defaultCommandMap != null)
            return defaultCommandMap;
        // fetch per-thread-context-class-loader default
        ClassLoader tccl = SecuritySupport.getContextClassLoader();
        CommandMap def = map.get(tccl);
        if (def == null) {
            def = new MailcapCommandMap();
            map.put(tccl, def);
        }
        return def;
    }

    // fetch per-thread-context-class-loader default
    ClassLoader tccl = SecuritySupport.getContextClassLoader();
    CommandMap def = map.get(tccl);
    if (def == null) {
        def = new MailcapCommandMap();
        map.put(tccl, def);
    }
    return def;
}

/**
 * Set the default CommandMap. Reset the CommandMap to the default by
 * calling this method with &lt;code&gt;null&lt;/code&gt;.
 *
 * @param commandMap The new default CommandMap.
 * @exception SecurityException if the caller doesn't have permission
 * to change the default
 */
    public static synchronized void setDefaultCommandMap(CommandMap commandMap) {
        SecurityManager security = System.getSecurityManager();
if (security != null) {
    try {
        // if it's ok with the SecurityManager, it's ok with me...
        security.checkSetFactory();
        } catch (SecurityException ex) {
        // otherwise, we also allow it if this code and the
        // factory come from the same (non-system) class loader (e.g.,
        // the JAF classes were loaded with the applet classes).
        ClassLoader cl = CommandMap.class.getClassLoader();
        if (cl == null || cl.getParent() == null ||
            cl != commandMap.getClass().getClassLoader()) {
            throw ex;
        }
    }
    // remove any per-thread-context-class-loader CommandMap
    map.remove(SecuritySupport.getContextClassLoader());
    defaultCommandMap = commandMap;
}

/**
 * Get the preferred command list from a MIME Type. The actual semantics
 * are determined by the implementation of the CommandMap.
 *
 * @param mimeType the MIME type
 * @return the CommandInfo classes that represent the command Beans.
 */
abstract public CommandInfo[] getPreferredCommands(String mimeType);

/**
 * Get the preferred command list from a MIME Type. The actual semantics
 * are determined by the implementation of the CommandMap. <p>
 *
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the list of commands that are returned. The implementation
 * in this class simply calls the <code>getPreferredCommands</code>
 * method that ignores this argument.
 *
 * @param mimeType the MIME type
 * @param ds DataSource for the data
 * @return the CommandInfo classes that represent the command Beans.
 * @since JAF 1.1
 */
public CommandInfo[] getPreferredCommands(String mimeType, DataSource ds) {
    return getPreferredCommands(mimeType);
}
/**
 * Get all the available commands for this type. This method
 * should return all the possible commands for this MIME type.
 *
 * @param mimeType the MIME type
 * @return the CommandInfo objects representing all the commands.
 */
abstract public CommandInfo[] getAllCommands(String mimeType);

/**
 * Get all the available commands for this type. This method
 * should return all the possible commands for this MIME type. <p>
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the list of commands that are returned. The implementation
 * in this class simply calls the <code>getAllCommands</code>
 * method that ignores this argument.
 *
 * @param mimeType the MIME type
 * @param ds DataSource for the data
 * @return the CommandInfo objects representing all the commands.
 * @since JAF 1.1
 */
public CommandInfo[] getAllCommands(String mimeType, DataSource ds) {
    return getAllCommands(mimeType);
}

/**
 * Get the default command corresponding to the MIME type.
 *
 * @param mimeType the MIME type
 * @param cmdName the command name
 * @return the CommandInfo corresponding to the command.
 */
abstract public CommandInfo getCommand(String mimeType, String cmdName);

/**
 * Get the default command corresponding to the MIME type. <p>
 *
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the command that is chosen. The implementation
 * in this class simply calls the <code>getCommand</code>
 * method that ignores this argument.
 *
 * @param mimeType the MIME type
 * @param cmdName the command name

* @param ds a DataSource for the data
* @return the CommandInfo corresponding to the command.
* @since JAF 1.1
*/

public CommandInfo getCommand(String mimeType, String cmdName, DataSource ds) {
    return getCommand(mimeType, cmdName);
}

/**
 * Locate a DataContentHandler that corresponds to the MIME type.
 * The mechanism and semantics for determining this are determined
 * by the implementation of the particular CommandMap.
 *
 * @param mimeType the MIME type
 * @return the DataContentHandler for the MIME type
 */
abstract public DataContentHandler createDataContentHandler(String mimeType);

/**
 * Locate a DataContentHandler that corresponds to the MIME type.
 * The mechanism and semantics for determining this are determined
 * by the implementation of the particular CommandMap. <p>
 * The <code>DataSource</code> provides extra information, such as
 * the file name, that a CommandMap implementation may use to further
 * refine the choice of DataContentHandler. The implementation
 * in this class simply calls the <code>createDataContentHandler</code>
 * method that ignores this argument.
 *
 * @param mimeType the MIME type
 * @param ds a DataSource for the data
 * @since JAF 1.1
 */

public DataContentHandler createDataContentHandler(String mimeType, DataSource ds) {
    return createDataContentHandler(mimeType);
}

/**
 * Get all the MIME types known to this command map.
 * If the command map doesn't support this operation,
 * null is returned.
 *
 * @return array of MIME types as strings, or null if not supported
 * @since JAF 1.1

public String[] getMimeTypes() {
    return null;
}

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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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<one line to give the program's name and a brief idea of what it does.>
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1.1956 netty-codec-http 4.1.14

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1.1962 spring-retry 1.2.4

1.1963 apache-karaf-maven-core 4.2.2
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### 1.1972 pax-jms-pool-pooledjms 1.0.2

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That's all there is to it!

/* _setjmp is implemented in setjmp.S */

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1.1992 diffutils 3.7 3

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

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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
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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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1.2000 netty-buffer 4.1.43
1.2000.1 Available under license :

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for merging the nxt2002 and nxt2004 modules into a single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a line to the DVB mailing list)

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```
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static inline int license_is_gpl_compatible(const char *license)
{
    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

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QLogic Linux qlcnic NIC Driver

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ConferenceTV card

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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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1.2024 e2fsprogs 1.43.4 2

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Theodore Ts'o
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[This is the first released version of the library GPL. It is
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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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Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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Otherwise, if the work is a derivative of the Library, you may
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DAMAGE.
#
# 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) $(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
/*

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*/

This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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

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

http://sourceforge.net/projects/e2fsprogs

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

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Gadi Oxman, August 1995

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

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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
1.2025 docker-client 8.16.0

1.2026 jetcd-core 0.0.2
1.2026.1 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 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;
// Use Permission.newBuilder() to construct.
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.Builder unknownFields =
    com.google.protobuf.UnknownFieldSet.newBuilder();
  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);
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>*

```java
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;
}
```

```java
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_;  
}
```

```java
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_;  
}
```

```java
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;
}
```

```java
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;
}

@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;
}

@Override
public int hashCode() {
    if (memoizedHashCode != 0) {
        return memoizedHashCode;
    }

    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;
}

int hash = 41;
hash = (19 * hash) + getDescriptor().hashCode();
hash = (37 * hash) + PERM_TYPE_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,
    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();
    } finally {
        this.mergeFrom(parsedMessage);
    }
    return this;
}
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();
    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();
    }
}
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);
}

// @@protoc_insertion_point(builder_scope:authpb.Permission)
}

// @@protoc_insertion_point(class_scope:authpb.Permission)
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);
    }
};

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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,
```java
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;
}

```

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1.2027  libcap 2.25-2

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1.2034 grpc-core 1.9.1

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1.2037 gcfg 1.5.2 0.7.git269f928.el7

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1.2038 jline-builtin 3.9.0

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1.2048 jetty-io 9.4.19.v20190610

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*/
package org.glassfish.jersey.server.wadl.internal.generators;

import java.io.File;
import java.io.FileInputstream;
import java.io.InputStream;
import java.util.List;
import javax.ws.rs.core.Context;
import javax.ws.rs.core.MediaType;
import javax.inject.Provider;
import javax.xml.parsers.SAXParserFactory;
import org.glassfish.jersey.server.model.Parameter;
import org.glassfish.jersey.server.wadl.WadlGenerator;
import org.glassfish.jersey.server.wadl.internal.ApplicationDescription;
import org.glassfish.jersey.server.wadl.internal.WadlUtils;
import com.sun.research.ws.wadl.Application;
import com.sun.research.ws.wadl.Method;
import com.sun.research.ws.wadl.Param;
import com.sun.research.ws.wadl.Representation;
import com.sun.research.ws.wadl.Request;
import com.sun.research.ws.wadl.Resource;
import com.sun.research.ws.wadl.Resources;
import com.sun.research.ws.wadl.Response;

/**
 * This [link org.glassfish.jersey.server.wadl.WadlGenerator] adds all doc elements provided by [link ApplicationDocs#getDocs()]
 * to the generated wadl-file.
 * <p>
 * The [link ApplicationDocs] content can either be provided via a [link File] reference
 * ([link #setApplicationDocsFile(File)]) or
 * via an [link InputStream] ([link #setApplicationDocsStream(InputStream))].
 * </p>
 * <p>
 * The [link File] should be used when using the maven-wadl-plugin for generating wadl offline,
 * the [link InputStream] should be used when the extended wadl is generated by jersey at runtime, e.g.
 * using the [link org.glassfish.jersey.server.wadl.config.WadlGeneratorConfig] for configuration.
 * </p>
 *
public class WadlGeneratorApplicationDoc implements WadlGenerator {

    private WadlGenerator _delegate;
    private File _applicationDocsFile;
    private InputStream _applicationDocsStream;
    private ApplicationDocs _applicationDocs;
    @Context
    private Provider<SAXParserFactory> saxFactoryProvider;

    public void setWadlGeneratorDelegate(WadlGenerator delegate) {
        _delegate = delegate;
    }

    public String getRequiredJaxbContextPath() {
        return _delegate.getRequiredJaxbContextPath();
    }

    public void setApplicationDocsFile(File applicationDocsFile) {
        if (_applicationDocsStream != null) {
            throw new IllegalStateException("The applicationDocsStream property is already set," +
                " therefore you cannot set the applicationDocsFile property. Only one of both can be set at a time.");
        }
        _applicationDocsFile = applicationDocsFile;
    }

    public void setApplicationDocsStream(InputStream applicationDocsStream) {
        if (_applicationDocsFile != null) {
            throw new IllegalStateException("The applicationDocsFile property is already set," +
                " therefore you cannot set the applicationDocsStream property. Only one of both can be set at a time.");
        }
        _applicationDocsStream = applicationDocsStream;
    }

    public void init() throws Exception {
        if (_applicationDocsFile == null && _applicationDocsStream == null) {
            throw new IllegalStateException("Neither the applicationDocsFile nor the applicationDocsStream" +
                " is set, one of both is required.");
        }
        _delegate.init();

        InputStream inputStream;
        if (_applicationDocsFile != null) {
            inputStream = _applicationDocsFile; // Use file content
        } else {
            inputStream = _applicationDocsStream; // Use stream content
        }

        // Process the input stream to generate WADL
        // ...
inputStream = new FileInputStream(_applicationDocsFile);
} else {
    inputStream = _applicationDocsStream;
}
_applicationDocs = WadlUtils.unmarshall(inputStream, saxFactoryProvider.get(), ApplicationDocs.class);

/**
 * @return the application
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createApplication()
 */
public Application createApplication() {
    final Application result = _delegate.createApplication();
    if (_applicationDocs != null && _applicationDocs.getDocs() != null && !_applicationDocs.getDocs().isEmpty()) {
        result.getDoc().addAll(_applicationDocs.getDocs());
    }
    return result;
}

/**
 * @param r
 * @param m
 * @return the method
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createMethod(org.glassfish.jersey.server.model.Resource,
 * org.glassfish.jersey.server.model.ResourceMethod)
 */
public Method createMethod(org.glassfish.jersey.server.model.Resource r,
    org.glassfish.jersey.server.model.ResourceMethod m) {
    return _delegate.createMethod(r, m);
}

/**
 * @param r
 * @param m
 * @param mediaType
 * @return representation type
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createRequestRepresentation(org.glassfish.jersey.server.model.Resource,
 * org.glassfish.jersey.server.model.ResourceMethod, javax.ws.rs.core.MediaType)
 */
public Representation createRequestRepresentation(org.glassfish.jersey.server.model.Resource r,
    org.glassfish.jersey.server.model.ResourceMethod m,
    MediaType mediaType) {
    return _delegate.createRequestRepresentation(r, m, mediaType);
}
/**
 * @param r
 * @param m
 * @return request
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createRequest(org.glassfish.jersey.server.model.Resource,
 * org.glassfish.jersey.server.model.ResourceMethod)
 */
public Request createRequest(org.glassfish.jersey.server.model.Resource r,
org.glassfish.jersey.server.model.ResourceMethod m) {
    return _delegate.createRequest(r, m);
}

/**
 * @param r
 * @param m
 * @param p
 * @return parameter
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createParam(org.glassfish.jersey.server.model.Resource,
 */
public Param createParam(org.glassfish.jersey.server.model.Resource r,
    org.glassfish.jersey.server.model.ResourceMethod m,
    Parameter p) {
    return _delegate.createParam(r, m, p);
}

/**
 * @param r
 * @param path
 * @return resource
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createResource(org.glassfish.jersey.server.model.Resource, String)
 */
public Resource createResource(org.glassfish.jersey.server.model.Resource r,
    String path) {
    return _delegate.createResource(r, path);
}

/**
 * @param r
 * @param m
 * @return response
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createResponses(org.glassfish.jersey.server.model.Resource,
 * org.glassfish.jersey.server.model.ResourceMethod)
 */
public List<Response> createResponses(org.glassfish.jersey.server.model.Resource r, org.glassfish.jersey.server.model.ResourceMethod m) {
    return _delegate.createResponses(r, m);
}

/**
 * @return resources
 * @see org.glassfish.jersey.server.wadl.WadlGenerator#createResources()
 */
public Resources createResources() {
    return _delegate.createResources();
}

// ================ methods for post build actions =======================

@Override
public ExternalGrammarDefinition createExternalGrammar() {
    return _delegate.createExternalGrammar();
}

@Override
public void attachTypes(ApplicationDescription egd) {
    _delegate.attachTypes(egd);
}

/*@Override
*/
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* Modifications:
*/
package org.glassfish.jersey.server.wadl.internal;

import java.util.ArrayList;
import java.util.List;
import javax.ws.rs.core.MediaType;
import javax.xml.namespace.QName;
import org.glassfish.jersey.server.model.Parameter;
import org.glassfish.jersey.server.model.ResourceMethod;
import org.glassfish.jersey.server.wadl.WadlGenerator;
import com.sun.research.ws.wadl.Application;
import com.sun.research.ws.wadl.Param;
import com.sun.research.ws.wadl.ParamStyle;
import com.sun.research.ws.wadl.Representation;
import com.sun.research.ws.wadl.Request;
import com.sun.research.ws.wadl.Resource;
import com.sun.research.ws.wadl.Resources;
import com.sun.research.ws.wadl.Response;

/**
 * This WadlGenerator creates the basic wadl artifacts.<br>
 * Created on: Jun 16, 2008<br>
 * @author Martin Grotzke (martin.grotzke at freiheit.com)
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 */
public class WadlGeneratorImpl implements WadlGenerator {
@Override
class GetRequiredJaxbContextPath() {
    final String name = Application.class.getName();
    return name.substring(0, name.lastIndexOf('.'));
}

public String getRequiredJaxbContextPath() {
    return name.substring(0, name.lastIndexOf('.'));
}

public void init() {
    
}

public void setWadlGeneratorDelegate(WadlGenerator delegate) {
    throw new UnsupportedOperationException("No delegate supported.");
}

@Override
public Resources createResources() {
    return new Resources();
}

public Application createApplication() {
    return new Application();
}

public com.sun.research.ws.wadl.Method createMethod(
    org.glassfish.jersey.server.model.Resource r, final ResourceMethod m) {
    com.sun.research.ws.wadl.Method wadlMethod =
        new com.sun.research.ws.wadl.Method();
    wadlMethod.setName(m.getHttpMethod());
    wadlMethod.setId(m.getInvocable().getDefinitionMethod().getName());
    if (m.isExtended()) {
        wadlMethod.getAny().add(WadlApplicationContextImpl.extendedElement);
    }
    return wadlMethod;
}

public Representation createRequestRepresentation(org.glassfish.jersey.server.model.Resource r,
    ResourceMethod m, MediaType mediaType) {
    Representation wadlRepresentation = new Representation();
    wadlRepresentation.setMediaType(mediaType.toString());
    return wadlRepresentation;
}

public String getRequiredJaxbContextPath() {
    final String name = Application.class.getName();
    return name.substring(0, name.lastIndexOf('.'));
}
public Request createRequest(org.glassfish.jersey.server.model.Resource r, ResourceMethod m) {
    return new Request();
}

@Override
public Param createParam(org.glassfish.jersey.server.model.Resource r, ResourceMethod m, final Parameter p) {
    if (p.getSource() == Parameter.Source.UNKNOWN)
        return null;
    Param wadlParam = new Param();
    wadlParam.setName(p.getSourceName());

    switch (p.getSource()) {
        case FORM:
            wadlParam.setStyle(ParamStyle.QUERY);
            break;
        case QUERY:
            wadlParam.setStyle(ParamStyle.QUERY);
            break;
        case MATRIX:
            wadlParam.setStyle(ParamStyle.MATRIX);
            break;
        case PATH:
            wadlParam.setStyle(ParamStyle.TEMPLATE);
            break;
        case HEADER:
            wadlParam.setStyle(ParamStyle.HEADER);
            break;
        case COOKIE:
            // Generates name="Cookie" path="<name>"
            wadlParam.setStyle(ParamStyle.HEADER);
            wadlParam.setName("Cookie");
            wadlParam.setPath(p.getSourceName());
            break;
        default:
            break;
    }
    if (p.hasDefaultValue())
        wadlParam.setDefault(p.getDefaultValue());
    Class<?> pClass = p.getRawType();
    if (pClass.isArray()) {
        wadlParam.setRepeating(true);
        pClass = pClass.getComponentType();
    }
    if (pClass.equals(int.class) || pClass.equals(Integer.class))
        wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "int", "xs"));
else if (pClass.equals(boolean.class) || pClass.equals(Boolean.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "boolean", "xs"));
else if (pClass.equals(long.class) || pClass.equals(Long.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "long", "xs"));
else if (pClass.equals(short.class) || pClass.equals(Short.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "short", "xs"));
else if (pClass.equals(byte.class) || pClass.equals(Byte.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "byte", "xs"));
else if (pClass.equals(float.class) || pClass.equals(Float.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "float", "xs"));
else if (pClass.equals(double.class) || pClass.equals(Double.class))
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "double", "xs"));
else
    wadlParam.setType(new QName("http://www.w3.org/2001/XMLSchema", "string", "xs"));
return wadlParam;
}

@Override
public Resource createResource(org.glassfish.jersey.server.model.Resource resource, String path) {
    Resource wadlResource = new Resource();
    if (path != null) {
        wadlResource.setPath(path);
    } else if (resource.getPath() != null) {
        wadlResource.setPath(resource.getPath());
    }

    if (resource.isExtended()) {
        wadlResource.getAny().add(WadlApplicationContextImpl.extendedElement);
    }

    return wadlResource;
}

@Override
public List<Response> createResponses(org.glassfish.jersey.server.model.Resource r, ResourceMethod m) {
    final Response response = new Response();
    for (MediaType mediaType : m.getProducedTypes()) {
        if (!MediaType.WILDCARD_TYPE.equals(mediaType)
            || !hasEmptyProducibleMediaTypeSet(m)) {
            Representation wadlRepresentation = createResponseRepresentation(r, m, mediaType);
            response.getRepresentation().add(wadlRepresentation);
        }
    }

    List<Response> responses = new ArrayList<Response>();
    return responses;
responses.add(response);
return responses;
}

private boolean hasEmptyProducibleMediaTypeSet(final ResourceMethod method) {
    return method.getProducedTypes().isEmpty();
}

public Representation createResponseRepresentation(org.glassfish.jersey.server.model.Resource r,
ResourceMethod m,
            MediaType mediaType) {
    Representation wadlRepresentation = new Representation();
    wadlRepresentation.setMediaType(mediaType.toString());
    return wadlRepresentation;
}

// ==================== methods for post build actions ====================

@Override
public ExternalGrammarDefinition createExternalGrammar() {
    // Return an empty list to add to
    return new ExternalGrammarDefinition();
}

@Override
public void attachTypes(ApplicationDescription egd) {
}

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package org.glassfish.jersey.server.wadl.internal;

import java.net.URI;
import java.security.AccessController;
import java.util.logging.Level;
import java.util.logging.Logger;

import javax.ws.rs.ProcessingException;
import javax.ws.rs.core.Configuration;
import javax.ws.rs.core.Context;
import javax.ws.rs.core.UriBuilder;
import javax.ws.rs.core.UriInfo;

import javax.xml.bind.JAXBContext;
import javax.xml.bind.JAXBElement;
import javax.xml.bind.JAXBException;
import javax.xml.namespace.QName;
import org.glassfish.jersey.internal.util.ReflectionHelper;
import org.glassfish.jersey.server.ExtendedResourceContext;
import org.glassfish.jersey.server.internal.LocalizationMessages;
import org.glassfish.jersey.server.wadl.WadlApplicationContext;
import org.glassfish.jersey.server.wadl.WadlGenerator;
import org.glassfish.jersey.server.wadl.config.WadlGeneratorConfig;
import org.glassfish.jersey.server.wadl.config.WadlGeneratorConfigLoader;
import org.glassfish.hk2.api.ServiceLocator;
import com.sun.research.ws.wadl.Application;
import com.sun.research.ws.wadl.Doc;
import com.sun.research.ws.wadl.Grammars;
import com.sun.research.ws.wadl.Include;
import com.sun.research.ws.wadl.Resource;
import com.sun.research.ws.wadl.Resources;

/**
 * WADL application context implementation.
 *
 * @author Paul Sandoz (paul.sandoz at oracle.com)
 */
public class WadlApplicationContextImpl implements WadlApplicationContext {

    private static final Logger LOGGER = Logger.getLogger(WadlApplicationContextImpl.class.getName());

    static final String WADL_JERSEY_NAMESPACE = "http://jersey.java.net/";
    public static final JAXBElement extendedElement = new JAXBElement<String>(
            new QName(WADL_JERSEY_NAMESPACE, "extended", "jersey"), String.class, "true");

    @Context
    private ExtendedResourceContext resourceContext;

    private final ServiceLocator serviceLocator;

    private boolean wadlGenerationEnabled = true;

    private final WadlGeneratorConfig wadlGeneratorConfig;

    private final JAXBContext jaxbContext;

    public WadlApplicationContextImpl(@Context Configuration configuration, @Context ServiceLocator serviceLocator) {
        this.serviceLocator = serviceLocator;
        this.wadlGeneratorConfig = WadlGeneratorConfigLoader.loadWadlGeneratorsFromConfig(configuration.getProperties());

        // TODO perhaps this should be done another way for the moment
        // create a temporary generator just to do this one task
        final WadlGenerator wadlGenerator = wadlGeneratorConfig.createWadlGenerator(serviceLocator);

        JAXBContext jaxbContextCandidate;

        final ClassLoader contextClassLoader = AccessController.doPrivileged(ReflectionHelper.getContextClassLoaderPA());
        try {
            //
        }
    }
}
final ClassLoader jerseyModuleClassLoader =
    AccessController.doPrivileged(ReflectionHelper.getClassLoaderPA(wadlGenerator.getClass()));

AccessController.doPrivileged(ReflectionHelper.setContextClassLoaderPA(jerseyModuleClassLoader));

jaxbContextCandidate = JAXBContext.newInstance(wadlGenerator.getRequiredJaxbContextPath(),
        jerseyModuleClassLoader);

} catch (JAXBException ex) {
    try {
        // fallback for glassfish
        LOGGER.log(Level.FINE, LocalizationMessages.WADL_JAXB_CONTEXT_FALLBACK(), ex);
        jaxbContextCandidate = JAXBContext.newInstance(wadlGenerator.getRequiredJaxbContextPath());
    } catch (JAXBException innerEx) {
        throw new ProcessingException(LocalizationMessages.ERROR_WADL_JAXBCONTEXT(), ex);
    }
} finally {
    AccessController.doPrivileged(ReflectionHelper.setContextClassLoaderPA(contextClassLoader));
}

jaxbContext = jaxbContextCandidate;

@Override
public ApplicationDescription getApplication(UriInfo uriInfo, boolean detailedWadl) {
    ApplicationDescription applicationDescription = getWadlBuilder(detailedWadl, uriInfo)
        .generate(resourceContext.getResourceModel().getRootResources());
    final Application application = applicationDescription.getApplication();
    for (Resources resources : application.getResources()) {
        if (resources.getBase() == null) {
            resources.setBase(uriInfo.getBaseUri().toString());
        }
    }
    attachExternalGrammar(application, applicationDescription, uriInfo.getRequestUri());
    return applicationDescription;
}

@Override
public Application getApplication(UriInfo info,
    org.glassfish.jersey.server.model.Resource resource, boolean detailedWadl) {

    // Get the root application description
ApplicationDescription description = getApplication(info, detailedWadl);

WadlGenerator wadlGenerator = wadlGeneratorConfig.createWadlGenerator(serviceLocator);
Application application = new WadlBuilder(wadlGenerator, detailedWadl, info).generate(description, resource);
if (application == null) {
    return null;
}

for (Resources resources : application.getResources()) {
    resources.setBase(info.getBaseUri().toString());
}

// Attach any grammar we may have

attachExternalGrammar(application, description, info.getRequestUri());

for (Resources resources : application.getResources()) {
    final Resource r = resources.getResource().get(0);
    r.setPath(info.getBaseUri().relativize(info.getAbsolutePath()).toString());
    
    // remove path params since path is fixed at this point
    r.getParam().clear();
}

return application;

// TODO probably no longer required
@Override
public JAXBContext getJAXBContext() {
    return jaxbContext;
}

private WadlBuilder getWadlBuilder(boolean detailedWadl, UriInfo uriInfo) {
    return (this.wadlGenerationEnabled ? new WadlBuilder(wadlGeneratorConfig.createWadlGenerator(serviceLocator), detailedWadl, uriInfo) : null);
}

@Override
public void setWadlGenerationEnabled(boolean wadlGenerationEnabled) {
    this.wadlGenerationEnabled = wadlGenerationEnabled;
}

@Override
public boolean isWadlGenerationEnabled() {
    return wadlGenerationEnabled;
}

/**
 * Update the application object to include the generated grammar objects
 */
private void attachExternalGrammar(
    Application application,
    ApplicationDescription applicationDescription,
    URI requestURI) {

    // Massage the application.wadl URI slightly to get the right effect
    //
    try {
        final String requestURIPath = requestURI.getPath();

        if (requestURIPath.endsWith("application.wadl")) {
            requestURI = UriBuilder.fromUri(requestURI)
                .replacePath(requestURIPath
                    .substring(0, requestURIPath.lastIndexOf('/') + 1))
                .build();
        }

        String root = application.getResources().get(0).getBase();
        UriBuilder extendedPath = root != null ?
            UriBuilder.fromPath(root).path("/application.wadl/")
            .build(): null;
        URI rootURI = root != null ? UriBuilder.fromPath(root).build() : null;

        // Add a reference to this grammar
        //
        Grammars grammars;
        if (application.getGrammars() != null) {
            LOGGER.info(LocalizationMessages.ERROR_WADL_GRAMMAR_ALREADY_CONTAINS());
            grammars = application.getGrammars();
        } else {
            grammars = new Grammars();
            application.setGrammars(grammars);
        }

        // Create a reference back to the root WADL
        //
for (String path : applicationDescription.getExternalMetadataKeys()) {
    URI schemaURI = 
        extendedPath.clone().path(path).build();

    String schemaPath = rootURI != null ?
        requestURI.relativize(schemaURI).toString() :
        schemaURI.toString();

    Include include = new Include();
    include.setHref(schemaPath);
    Doc doc = new Doc();
    doc.setLang("en");
    doc.setTitle("Generated");
    include.getDoc().add(doc);

    // Finally add to list
    grammars.getInclude().add(include);
} 
} catch (Exception e) {
    throw new ProcessingException(LocalizationMessages.ERROR_WADL_EXTERNAL_GRAMMAR(), e);
} 
} 
*/

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package org.glassfish.jersey.server.monitoring;

import java.util.Date;
import java.util.Map;
import java.util.Set;

/**
 * Application MX Bean.
 *
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 *
 * @return Application name.
 */
public interface ApplicationMXBean {

    /**
     * Get the application name.
     *
     * @return Application name.
     */
    public String getApplicationName();

    /**
     * Get the [ @link javax.ws.rs.core.Application application class] used for configuration of Jersey application.
     *
     * @return Application class name.
     */
    public String getApplicationClass();

    /**
     * Get the map of configuration properties converted to strings.
     *
     * @return Map property keys to property string values.
     */
    public Map<String, String> getProperties();
/**
* Get the start time of the application (when application was initialized).
* @return Application start time.
*/
public Date getStartTime();

/**
* Get a set of string names of resource classes registered by the user.
* @return Set of classes full names (with package names).
* @see org.glassfish.jersey.server.monitoring.ApplicationEvent#getRegisteredClasses() for specification
* of returned classes.
*/
public Set<String> getRegisteredClasses();

/**
* Get a set of string names of classes of user registered instances.
* @return Set of user registered instances converted to their class full names (with package names).
* @see org.glassfish.jersey.server.monitoring.ApplicationEvent#getRegisteredInstances() for specification
* of returned instances.
*/
public Set<String> getRegisteredInstances();

/**
* Get classes of registered providers.
* @return Set of provider class full names (with package names).
* @see org.glassfish.jersey.server.monitoring.ApplicationEvent#getProviders() for specification
* of returned classes.
*/
public Set<String> getProviderClasses();
*/

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*/
package org.glassfish.jersey.server.monitoring;

import javax.ws.rs.ConstrainedTo;
import javax.ws.rs.RuntimeType;
import org.glassfish.jersey.spi.Contract;

/**
 * Jersey specific provider that listens to [ApplicationEvent application events].
 * The implementation of this interface will be called for two kind of events:
 * application events and [RequestEvent request events]. This interface will listen to
 * all [ApplicationEvent.Type application event types] but only to first request event which is the [RequestEvent.Type#START]. On this event the
 * application event listener can decide whether it will listen to the request and return [RequestEventListener request event listener] for listening to further request events.
 * }
 */

package org.glassfish.jersey.server.monitoring;

import javax.ws.rs.ConstrainedTo;
import javax.ws.rs.RuntimeType;
import org.glassfish.jersey.spi.Contract;

/**
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 * application event listener can decide whether it will listen to the request and return [RequestEventListener request event listener] for listening to further request events.
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 * The implementation of this interface will be called for two kind of events:
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 * application event listener can decide whether it will listen to the request and return [RequestEventListener request event listener] for listening to further request events.
 * }
 */

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 * Jersey specific provider that listens to [ApplicationEvent application events].
 * The implementation of this interface will be called for two kind of events:
 * application events and [RequestEvent request events]. This interface will listen to
 * all [ApplicationEvent.Type application event types] but only to first request event which is the [RequestEvent.Type#START]. On this event the
 * application event listener can decide whether it will listen to the request and return [RequestEventListener request event listener] for listening to further request events.
 * }
 */
Application event listener can read data of events but must not modify them in any way. The implementation must be thread safe (the methods might be called from different threads).

* @author Miroslav Fuksa (miroslav.fuksa at oracle.com)

@Contract
@ConstrainedTo(RuntimeType.SERVER)
public interface ApplicationEventListener {

/**
 * Process the application [@code event]. This method is called when new event occurs.
 *
 * @param event Application event.
 */
public void onEvent(ApplicationEvent event);

/**
 * Process a new request and return a [@link RequestEventListener request event listener] if
 * listening to [@link RequestEvent request events] is required. The method is called once for
 * each new incoming request. If listening to the request is required then request event must be returned
 * from the method. Such a request event listener will receive all request events that one request. If listening
 * to request event for the request is not required then [@code null] must be returned
 * from the method (do not return empty mock listener in these
 * cases as it will have negative performance impact).
 *
 * @param requestEvent Event of type [@link RequestEvent.Type#START].
 * @return Request event listener that will monitor the events of the request
 *         connected with [@code requestEvent]; null otherwise.
 */
public RequestEventListener onRequest(RequestEvent requestEvent);
}
package org.glassfish.jersey.server.wadl.internal.generators;

import java.util.ArrayList;
import java.util.List;
import javax.xml.bind.annotation.XmlAccessType;
import javax.xml.bind.annotation.XmlAccessorType;
import javax.xml.bind.annotation.XmlElement;
import javax.xml.bind.annotation.XmlRootElement;
import javax.xml.bind.annotation.XmlType;
import com.sun.research.ws.wadl.Doc;

/**<br />
 * The wrapper root document for multiple {@link Doc} elements.<br />
 * Created on: Jun 10, 2008<br />
 *<br />
 * @author Martin Grotzke (martin.grotzke at freiheit.com)<br />
 */
@XmlAccessorType(XmlAccessType.FIELD)
@XmlType(name = "applicationDocs", propOrder = {
    "docs"
})
@XmlRootElement(name = "applicationDocs")

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 * holder.
 */
public class ApplicationDocs {

    @XmlElement(name = "doc")
    protected List<Doc> docs;

    public List<Doc> getDocs() {
        if (docs == null) {
            docs = new ArrayList<Doc>();
        }
        return this.docs;
    }
}
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*/

package org.glassfish.jersey.server.wadl.internal;

import java.util.Set;

import javax.ws.rs.core.MediaType;

import javax.xml.namespace.QName;

import org.glassfish.jersey.server.wadl.WadlGenerator;

import com.sun.research.ws.wadl.Application;

/**
 * This class is designed to combine the Application instance with any other
 * external metadata that might be required to describe the application.
 *
 * @author Gerard Davison
 */

public class ApplicationDescription {

    private Application _application;
    private WadlGenerator.ExternalGrammarDefinition _externalGrammarDefinition;

    ApplicationDescription(Application application, WadlGenerator.ExternalGrammarDefinition
        externalGrammarDefinition) {
        super();
        this._application = application;
        this._externalGrammarDefinition = externalGrammarDefinition;
    }

    /**
     * @return The instance of the application object
     */
    public Application getApplication() {
        return _application;
    }

    /**
     * @param type java class to be resolved.
     * @return the QName for the given Class in the grammar.
     */
    public QName resolve(Class type) {
        return _externalGrammarDefinition.resolve(type);
    }
}
/**
 * @param path path to external metadata.
 * @return the external metadata for a given URL, generally provided as a sub resource
 * or the root application.wadl.
 */

public ExternalGrammar getExternalGrammar(String path) {
    return _externalGrammarDefinition.map.get(path);
}

/**
 * @return A set of all the external metadata keys
 */

public Set<String> getExternalMetadataKeys() {
    return _externalGrammarDefinition.map.keySet();
}

/**
 * A simple holder class that stores a type and binary content
 * to be used to return extra metadata with
 */

public static class ExternalGrammar {

    private MediaType _type;
    private byte[] _content;

    public ExternalGrammar(MediaType type, byte[] content) {
        super();
        this._type = type;
        this._content = content.clone();
    }

    public MediaType getType() {
        return _type;
    }

    public byte[] getContent() {
        // Defensive copy
        return _content.clone();
    }
}

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* holder.
*/
package org.glassfish.jersey.server.wadl;

import javax.ws.rs.core.UriInfo;

import javax.xml.bind.JAXBContext;

import org.glassfish.jersey.server.wadl.internal.ApplicationDescription;

import com.sun.research.ws.wadl.Application;

/**
 * A context to obtain WADL-based information.
 */
@Author Paul.Sandoz
*/
public interface WadlApplicationContext {

  /**
   * Get a WADL builder initiated with the configured \{@link WadlGenerator\}
   * for the Web application.
   *
   * @return the WADL builder.
   */
  WadlBuilder getWadlBuilder();

  /**
   * Get a new instance of a \{@link ApplicationDescription\} corresponding to all
   * the root resource classes.
   *
   * @return the application description, the contents may be modified.
   */
  ApplicationDescription getApplication();

  /**
   * Get a new instance of a \{@link ApplicationDescription\} corresponding to all
   * the root resource classes, and configure the base URI.
   *
   * @param ui the URI information from which the base URI is set on the
   *           WADL application.
   * @return the application description, the contents may be modified.
   */
  ApplicationDescription getApplication(UriInfo ui, boolean detailedWadl);

  /**
   * Get a new instance of \{@link Application\} for a particular resource.
   *
   * @param info     the URI information from which the base URI is set on the
   *                 WADL application.
   * @param resource the resource to build the Application for
   * @return the application for this resource
   */
  Application getApplication(UriInfo info,
                              org.glassfish.jersey.server.model.Resource resource, boolean detailedWadl);

  /**
   * Get the default JAXB context associated with the \{@link WadlGenerator\}
   * for the Web application.
   *
   * @return the default JAXB context.
   */
  JAXBContext getJAXBContext();

  // /**
// * Get the default JAXB context path to create a \{@link JAXBContext\}.
// *
// * @return the default JAXB context.
// */
// String getJAXBContextPath();

/**
 * Enable/disable WADL generation.
 *
 * @param wadlGenerationEnabled if wadlGenerationEnabled is true and
 *     \{@link org.glassfish.jersey.server.ServerProperties#WADL_FEATURE_DISABLE\}
 *     is false, WADL generation is enabled. In all other cases is disabled.
 */
void setWadlGenerationEnabled(boolean wadlGenerationEnabled);

/**
 * Get WADL generation status.
 *
 * @return true when WADL generation is enabled. Does not take
 *     \{@link org.glassfish.jersey.server.ServerProperties#WADL_FEATURE_DISABLE\}
 */
boolean isWadlGenerationEnabled();

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package org.glassfish.jersey.server.monitoring;

import java.util.Set;

import org.glassfish.jersey.server.ResourceConfig;
import org.glassfish.jersey.server.model.ResourceModel;

/**
 * An event informing about application lifecycle changes. The event is created by Jersey runtime and
 * handled by user registered [ApplicationEventListener application event listener].
 * <p/>
 * The event contains the [Type] which distinguishes between types of event. There are various
 * properties in the event (accessible by getters) and some of them might be relevant only to specific event types.
 * <p/>
 * Note that internal state of the event must be modified. Even the event is immutable it exposes objects
 * which might be mutable and the code of event listener must not change state of these objects.
 *<p/>
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 */
public interface ApplicationEvent {

/**
 * The type of the event that identifies on which lifecycle change the event is triggered.
 */
public static enum Type {

/**
 * Initialization of the application has started. In this point no all the event properties
 * are initialized yet.
 */
INITIALIZATION_START,

/**
 * Initialization of [ApplicationHandler jersey application] is
 * finished but the server might not be started and ready yet to serve requests (this will be
* indicated by the [@link #INITIALIZATION_FINISHED] event). This event indicates only that the
* environment is ready (all providers are registered, application is configured, etc.).
*
* @since 2.5
 */
INITIALIZATION_APP_FINISHED,
/**
 * Initialization of the application has finished, server is started and application is ready
 * to handle requests now.
 */
INITIALIZATION_FINISHED,
/**
 * Application has been destroyed (stopped). In this point the application cannot process any new requests.
 */
DESTROY_FINISHED,
/**
 * The application reload is finished. The reload can be invoked by
 * [@link org.glassfish.jersey.server.spi.Container#reload()] method. When this event is triggered
 * the reload is completely finished, which means that the new application is initialized (appropriate
 * events are called) and new reloaded application is ready to server requests.
 */
RELOAD_FINISHED
}

/**
 * Return the type of the event.
 *
 * @return Event type.
 */
public Type getType();

/**
 * Get resource config associated with the application. The resource config is set for all event types.
 *
 * @return Resource config on which this application is based on.
 */
public ResourceConfig getResourceConfig();

/**
 * Get resource classes registered by the user in the current application. The set contains only
 * user resource classes and not resource classes added by Jersey
 * or by [@link org.glassfish.jersey.server.model.ModelProcessor].
 * <p/>
 * User resources are resources that
 * were explicitly registered by the configuration, discovered by the class path scanning or that
 * constructs explicitly registered [@link org.glassfish.jersey.server.model.Resource programmatic resource].
 *
public Set<Class<?>> getRegisteredClasses();

/**
 * Get resource instances registered by the user in the current application. The set contains only
 * user resources and not resources added by Jersey
 * or by [@link org.glassfish.jersey.server.model.ModelProcessor].
 * @return Resource instances registered by user.
 */
public Set<Object> getRegisteredInstances();

/**
 * Get registered providers available in the runtime. The registered providers
 * are providers like [@link org.glassfish.jersey.server.model.MethodList.Filter filters],
 * [@link javax.ws.rs.ext.ReaderInterceptor reader] and [@link javax.ws.rs.ext.WriterInterceptor writer]
 * interceptors which are explicitly registered by configuration, or annotated by
 * [@link javax.ws.rs.ext.Provider @Provider] or registered in META-INF/services. The
 * set does not include providers that are by default built in Jersey.
 * @return Set of provider classes.
 */
public Set<Class<?>> getProviders();

/**
 * Get the resource model of the application. The method returns null for
 * [@link Type#INITIALIZATION_START] event type as the resource model is not initialized yet.
 * The returned resource model is the final deployed model including resources enhanced by
 * [@link org.glassfish.jersey.server.model.ModelProcessor model processors].
 * @return Resource model of the deployed application.
 */
public ResourceModel getResourceModel();

}
package org.glassfish.jersey.server.monitoring;

import java.util.Date;
import java.util.Set;
import org.glassfish.jersey.server.ResourceConfig;

/**
 * Monitoring statistics and configuration of an application.
 * <p/>
 * Statistics retrieved from Jersey runtime might be mutable and thanks to it might provide inconsistent data
 * as not all statistics are updated in the same time. To retrieve the immutable and consistent
 * statistics data the method {@link #snapshot()} should be used.
 * 
 * @author Miroslav Fuksa (miroslav.fuksa at oracle.com)
 * @see MonitoringStatistics See MonitoringStatistics class for general details about statistics.
 */
public interface ApplicationStatistics {
    /**
     * Get the resource config.
     *
     * @return Resource config.
     */
    public ResourceConfig getResourceConfig();

    /**
     * Get the start time of the application.
     *
     * @return Time when an application initialization has been finished.
     */
    public Date getStartTime();

    /**
     * Get the time when application destroy (stop) has been finished.
     *
     * @return Destroy time.
     *
     * @deprecated deprecated since 2.5 (destroy time will always be { @code null}). Use
     * { @link org.glassfish.jersey.server.spi.ContainerLifecycleListener#onShutdown(org.glassfish.jersey.server.spi.Container)}
     * to listen on the destroy.
     */
    public Date getDestroyTime();

    /**
     * Get resource classes registered by the user in the current application. The set contains only
     * user resource classes and not resource classes added by Jersey
     * or by { @link org.glassfish.jersey.server.model.ModelProcessor}.
     *
     * User resources are resources that
     * were explicitly registered by the configuration, discovered by the class path scanning or that
     * constructs explicitly registered { @link org.glassfish.jersey.server.model.Resource programmatic resource}.
     *
     * @return Resource user registered classes.
     */
    public Set<Class<?>> getRegisteredClasses();

    /**
     * Get resource instances registered by the user in the current application. The set contains only
     * user resources and not resources added by Jersey
     * or by { @link org.glassfish.jersey.server.model.ModelProcessor}.
     *
     * User resources are resources that
     */
    public Set<Class<? extends Resource>> getRegisteredInstances();
* were explicitly registered by the configuration, discovered by the class path scanning or that
* constructs explicitly registered {@link org.glassfish.jersey.server.model.Resource programmatic resource}.
*
* @return Resource instances registered by user.
*/
public Set<Object> getRegisteredInstances();

/**
 * Get registered providers available in the runtime. The registered providers
 * are providers like [link org.glassfish.jersey.server.model.MethodList.Filter filters],
 * [link javax.ws.rs.ext.ReaderInterceptor reader] and [link javax.ws.rs.ext.WriterInterceptor writer]
 * interceptors which are explicitly registered by configuration, or annotated by
 * [link javax.ws.rs.ext.Provider @Provider] or registered in META-INF/services. The
 * set does not include providers that are by default built in Jersey.
 *
 * @return Set of provider classes.
 */
public Set<Class<?>> getProviders();

/**
 * Get the immutable consistent snapshot of the monitoring statistics. Working with snapshots might
 * have negative performance impact as snapshot must be created but ensures consistency of data over time.
 * However, the usage of snapshot is encouraged to avoid working with inconsistent data. Not all statistics
 * must be updated in the same time on mutable version of statistics.
 *
 * @return Snapshot of application statistics.
 */
public ApplicationStatistics snapshot();

1.2056 diffutils 3.6 1
1.2056.1 Available under license:

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Version 3, 29 June 2007

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.2069 annotations 4.1.1.4

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1.2077 antlr 4.7.2

1.2078 python-meld3 1.0.2-2

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- Chris McDonough, 2005-12-18

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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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# Copying Container Files

## Motivation

- Copying files from Containers in a cluster to a local filesystem
- Copying files from a local filesystem to Containers in a cluster

### Install Tar

Copy requires that *tar* be installed in the container image.

### Local to Remote

Copy a local file to a remote Pod in a cluster.

- Local file format is `/<path>`
- Remote file format is `<pod-name>:<path>`

```bash
kubectl cp /tmp/foo_dir <some-pod>:/tmp/bar_dir
```

### Remote to Local

Copy a remote file from a Pod to a local file.

- Local file format is `/<path>`
- Remote file format is `<pod-name>:<path>`

```bash
kubectl cp <some-pod>:/tmp/foo /tmp/bar
```
## Specify the Container

Specify the Container within a Pod running multiple containers.

- `\`-c <container-name>`

```bash
kubectl cp /tmp/foo <some-pod>:/tmp/bar -c <specific-container>
```

---

## Namespaces

Set the Pod namespace by prefixing the Pod name with `\`<namespace>/\`.

- `\`<pod-namespace>/<pod-name>:<path>`

```bash
kubectl cp /tmp/foo <some-namespace>/<some-pod>:/tmp/bar
```

---

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Kunpei Sakai <namusyaka@gmail.com>
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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: "00000-00000-00000-00000-00000-00000-00000-00000",
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",
  },
  
}

}
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: new(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
                }
                return body
            }
        }
    }
    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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* github.com/BurntSushi/toml - https://github.com/BurntSushi/toml

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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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package migration

import "fmt"

// Notice is a migration warning
type Notice struct {
    Plugin   string
    Option   string
    Severity string // 'deprecated', 'removed', or 'unsupported'
    ReplacedBy string
    Additional string
    Version   string
} }

func (n *Notice) ToString() string {
    s := ""
    if n.Option == "" {
        s += fmt.Sprintf(`Plugin "%v" `, n.Plugin)
    } else {
        s += fmt.Sprintf(`Option "%v" in plugin "%v" `, n.Option, n.Plugin)
    }
    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)
    }
    return s
}
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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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 stdout, 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 `PQsetNoticeReceiver` sets or examines the current notice receiver for a connection object. Similarly, `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,
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 `libpq`, the notice receiver function is called. It is passed the message in the form of a `PGRES_NONFATAL_ERROR` message. (This allows the receiver to extract individual fields using `PQresultErrorField`, or obtain a complete preformatted message using `PQresultErrorMessage` or `PQresultVerboseErrorMessage`.) The same void pointer passed to `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 `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 `PQsetNoticeProcessor`. (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 `PGconn` object or `PGresult` objects made from it exist. At creation of a `PGconn`'s current notice handling pointers are copied into the `PGresult` for possible use by functions like `PQgetvalue`.

```c

</div><div class="navfooter"><hr/><table width="100%" summary="Navigation footer"><tr><td width="40%" align="left"><a accesskey="p" href="libpq-misc.html">Prev</a></td><td width="20%" align="center"></td><td width="40%" align="right"></td></tr><tr><td align="center"><br/></td></tr></table></div>
```
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 PostgreSQL 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.
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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
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```

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

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

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MortBay

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following Apache Tomcat jars, all ASL2 licensed.

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2127 netkit-ftp 0.17-34

1.2128 jetty 9.4.19.v20190610
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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

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

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Oracle OpenJDK
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* java.sun.security.ssl

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

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

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Apache

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

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

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Mortbay

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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 * @(#)UnixCrypt.java	0.9 96/11/25
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- analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

See [http://members.unine.ch/jacques.savoy/clef/index.html](http://members.unine.ch/jacques.savoy/clef/index.html).

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- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
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- analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
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- analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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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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 */

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>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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const {license, repository} = require('./package.json')

module.exports = License({
  type: license,
  holder: repository.split('/').shift(),
  year: 2017
})

if (!module.parent) {
  require('coz').render(__filename)
}

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1.2155 commons-beanutils 1.8.3

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1.2169 byte-buddy-dep 1.6.14

1.2170 perfmark-api 0.19.0
1.2170.1 Available under license :

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1.2171 grpc-auth 1.6.0

1.2172 bean-validation-api 2.0.1

1.2172.1 Available under license:

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1.2174 jackson-datatype-jsr310 2.10.0

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1.2181 apache-aries-quiesce-api 1.0.0

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1.2182 regexp 2.7.2

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import java.beans.PropertyChangeEvent;
import java.lang.reflect.Array;
import java.lang.reflect.Constructor;
import java.lang.reflect.InvocationTargetException;
import java.lang.reflect.Modifier;

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 */

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import java.beans.PropertyChangeEvent;
import java.lang.reflect.Array;
import java.lang.reflect.Constructor;
import java.lang.reflect.InvocationTargetException;
import java.lang.reflect.Modifier;
import java.lang.reflect.UndeclaredThrowableException;
import java.security.PrivilégéException;
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.
 *
 * @author Juergen Hoeller
 * @author Stephane Nicoll
 * @author Rod Johnson
 * @author Rob Harrop
 * @since 4.2
 * @see registerCustomEditor
 * @see #setPropertyValues
 * @see #setPropertyValue
 * @see #getPropertyChanged
 * @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
 * @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.
 * @param clazz class to instantiate and wrap
 */
protected AbstractNestablePropertyAccessor(Class<? > clazz) {
    registerDefaultEditors();
    setWrappedInstance(BeanUtils.instantiateClass(clazz));
}

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

/**
 * Create a new accessor for the given object,
 * registering a nested path that the object is in.
 * @param object object wrapped by this accessor
 * @param nestedPath the nested path of the object
 * @param parent the containing accessor (must not be @code null)
 */
protected AbstractNestablePropertyAccessor(Object object, String nestedPath, AbstractNestablePropertyAccessor parent) {
    setWrappedInstance(object, nestedPath, parent.getWrappedInstance());
    setExtractOldValueForEditor(parent.isExtractOldValueForEditor());
    setAutoGrowNestedPaths(parent.isAutoGrowNestedPaths());
    setAutoGrowCollectionLimit(parent.getAutoGrowCollectionLimit());
    setConversionService(parent.getConversionService());
}

/**
 * Specify a limit for array and collection auto-growing.
 * <p>Default is unlimited on a plain accessor.
 */
public void setAutoGrowCollectionLimit(int autoGrowCollectionLimit) {

this.autoGrowCollectionLimit = autoGrowCollectionLimit;
}

/**
 * Return the limit for array and collection auto-growing.
 */
public int getAutoGrowCollectionLimit() {
    return this.autoGrowCollectionLimit;
}

/**
 * Switch the target object, replacing the cached introspection results only
 * if the class of the new object is different to that of the replaced object.
 * @param object the new target object
 */
public void setWrappedInstance(Object object) {
    setWrappedInstance(object, "", null);
}

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

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

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

/**
 * Return the nested path of the object wrapped by this accessor.
 */
public final String getNestedPath() {
public final Object getRootInstance() {
    Assert.state(this.rootObject != null, "No root object");
    return this.rootObject;
}

/**
 * Return 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;
} else {
    setPropertyValue(tokens, pv);
}

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

// Private methods

@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);
            }
        } finally {
            if (oldValue != null) {
                propValue = oldValue;
            }
        }
    }
}
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<? extends List> 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<? extends Map> mapKeyType = ph.getMapKeyType(tokens.keys.length);
Class<? extends Map> mapValueType = ph.getMapValueType(tokens.keys.length);
Map<Object, Object> map = (Map<Object, Object>) propValue;


// IMPORTANT: Do not pass full property name in here - property editors
// must not kick in for map keys but rather only for map values.
TypeDescriptor typeDescriptor = TypeDescriptor.valueOf(mapKeyType);
Object convertedMapKey = convertIfNecessary(null, null, lastKey, mapKeyType, typeDescriptor);
Object oldValue = null;
if (isExtractOldValueForEditor()) {
    oldValue = map.get(convertedMapKey);
}
// Pass full property name and old value in here, since we want full
// conversion ability for map values.
Object convertedMapValue = convertIfNecessary(tokens.canonicalName, oldValue, pv.getValue(),
    mapValueType, ph.nested(tokens.keys.length));
map.put(convertedMapKey, convertedMapValue);
}
else {
    throw new InvalidPropertyException(getRootClass(), this.nestedPath + tokens.canonicalName,
        "Property referenced in indexed property path ") + tokens.canonicalName + 
    " is neither an array nor a List nor a Map; returned value was [" + propValue + "]");
}

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

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

    if (propValue == null) {
        // null map value case
        if (isAutoGrowNestedPaths()) {
            int lastKeyIndex = tokens.canonicalName.lastIndexOf('[');
            getterTokens.canonicalName = tokens.canonicalName.substring(0, lastKeyIndex);
            propValue = setDefaultValue(getterTokens);
        }
    else {

    }
    }
throw new NullValueInNestedPathException(getRootClass(), this.nestedPath + tokens.canonicalName, "Cannot access indexed value in property referenced " + "in indexed property path " + tokens.canonicalName + ": returned null");

return propValue;

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

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

catch (Exception ex) {
    PropertyChangeEvent pce = new PropertyChangeEvent(getRootInstance(), this.nestedPath + tokens.canonicalName, oldValue, pv.getValue());
    throw new MethodInvocationException(pce, ex);
}

@Nullable
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;
            }
public boolean isReadableProperty(String propertyName) {
    try {
        PropertyHandler ph = getPropertyHandler(propertyName);
        if (ph != null) {
            return ph.isReadable();
        } else {
            // Maybe an indexed/mapped property...
            return true;
        }
    } catch (InvalidPropertyException ex) {
        // Consider as not determinable.
        return false;
    }
}
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) {
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;
}
}
throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName, "Index of out of bounds in property path "+ propertyName + ":", ex);
}
catch (NumberFormatException | TypeMismatchException ex) {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName, "Invalid index in property path ":" + propertyName + ":", ex);
}
catch (InvocationTargetException ex) {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName, "Getter for property ":" + actualName + ":" threw exception", ex);
}
catch (Exception ex) {
throw new InvalidPropertyException(getRootClass(), this.nestedPath + propertyName, "Illegal attempt to get property ":" + actualName + ":" threw exception", ex);
}
}

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

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

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

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

private Object growArrayIfNecessary(Object array, int index, String name) {
if (!isAutoGrowNestedPaths()) {
    return array;
}
    int length = Array.getLength(array);
    if (index >= length && index < this.autoGrowCollectionLimit) {
        Class<?> 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 < this.autoGrowCollectionLimit) {
        Class<?> elementType = ph.getResolvableType().getNested(nestingLevel).asCollection().resolveGeneric();
        if (elementType != null) {
            for (int i = collection.size(); i < index + 1; i++) {
                collection.add(newValue(elementType, null, name));
            }
        }
    }
}
/**
 * Get the last component of the path. Also works if not nested.
 * @param pa property accessor to work on
 * @param nestedPath property path we know is nested
 * @return last component of the path (the property on the target bean)
 */
 protected String getFinalPath(AbstractNestablePropertyAccessor pa, String nestedPath) {
 if (pa == this) {
 return nestedPath;
 }
 return nestedPath.substring(PropertyAccessorUtils.getLastNestedPropertySeparatorIndex(nestedPath) + 1);
}

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

/**
 * Retrieve a Property accessor for the given nested property.
 * Create a new one if not found in the cache.
 * <p>Note: Caching nested PropertyAccessors is necessary now,
 * to keep registered custom editors for nested properties.
 * @param nestedProperty property to create the PropertyAccessor for
 * @return the PropertyAccessor instance, either cached or newly created
 */
 private AbstractNestablePropertyAccessor getNestedPropertyAccessor(String nestedProperty) {
 if (this.nestedPropertyAccessors == null) {
 this.nestedPropertyAccessors = new HashMap<>();
 }
 // Get value of bean property.
 PropertyTokenHolder tokens = getPropertyNameTokens(nestedProperty);
String canonicalName = tokens.canonicalName;
Object value = getPropertyValue(tokens);
if (value == null || (value instanceof Optional && !((Optional) value).isPresent())) {
  if (isAutoGrowNestedPaths()) {
    value = setDefaultValue(tokens);
  }
  else {
    throw new 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
      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);
}
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;

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private final boolean readable;

private final boolean writable;

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

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

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

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

public abstract TypeDescriptor toTypeDescriptor();

public abstract ResolvableType getResolvableType();

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

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

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

@Nullable
public abstract TypeDescriptor nested(int level);

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

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

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

    public String actualName;

    public String canonicalName;

    @Nullable
    public String[] keys;
}

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<!--[if IE 7 ]><html class="ie ie7" lang="en"> <![endif]-->
<!--[if IE 8 ]><html class="ie ie8" lang="en"> <![endif]-->
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<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>
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<link rel="stylesheet" href="./assets/css/site.css">
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<!--[if IE 7]>
<link rel="stylesheet" href="./assets/font-awesome/css/font-awesome-ie7.css">
<![endif]-->
<!-- Le fav and touch icons -->
<link rel="shortcut icon" href="./assets/ico/favicon.ico">
```
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&lt;i class="icon-legal"&gt;&lt;/i&gt;
```

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<h2 class="page-header">Brand Icons</h2>
{% include brand-license.html %}
</section>
<!-- Basic Page Needs
======================================== -->

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<meta name="description" content="Font Awesome, the iconic font designed for Bootstrap">
<meta name="author" content="Dave Gandy" />
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<!--[if lt IE 9]>
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<![endif]-->

<!--[if IE 7]>
<link rel="stylesheet" href="../assets/font-awesome/css/font-awesome-ie7.css">
<![endif]-->

<!-- Le fav and touch icons -->
<link rel="shortcut icon" href="../assets/ico/favicon.ico">
<script type="text/javascript" src="//use.typekit.net/wnc7ioh.js"></script>
<script type="text/javascript">try{Typekit.load();}catch(e){}</script>
<script type="text/javascript">
  var _gaq = _gaq || [];
  _gaq.push(['_setAccount', 'UA-30136587-1']);
  _gaq.push(['_trackPageview']);

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    var ga = document.createElement('script'); ga.type = 'text/javascript'; ga.async = true;
    var s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(ga, s);
  }());
</script>
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  <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>
</div>
</div>
</div>
</div>

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<li><a href="../examples/#stacked">Stacked</a></li>
<li><a href="../examples/#custom">Custom CSS</a></li>
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<li><a href="../community/">Community</a></li>
<li class="active"><a href="../license/">License</a></li>
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<ul class="nav pull-right">
<li><a href="http://articles.fortawesome.com">Blog</a></li>
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</li>
<li>
<iframe class="github-btn" src="http://ghbtns.com/github-btn.html?user=FortAwesome&repo=Font-Awesome&type=fork&count=true" allowtransparency="true" frameborder="0" scrolling="0" width="102px" height="20px"></iframe>
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   This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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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
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
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b) Use a suitable shared library mechanism for linking with the
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1.2214 spring-plugin-core 1.2.0

1.2215 neo4j consistency check 3.5.12

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1.2216 netty-handler-proxy 4.1.43

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1.2217 apache-aries-spifly-weaver-internal
1.0.10

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system utilities (e2fsck, mke2fs, etc.). 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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Theodore Ts'o
23-June-2007

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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
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5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library
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Section 6 states terms for distribution of such executables.

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

That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the 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:
sx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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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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Gadi Oxman, August 1995

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Version 2, June 1991

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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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** library. This does NOT imply that all of Samba is released

**1.2221 docker-ce 18.09.2-3-0~ubuntu bionic**

**1.2221.1 Available under license :**

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Gocheck - A rich testing framework for Go

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package model

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"
PrivatKey  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
}

func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    // 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{"message": message, "privateKey": privateKey})
    }
    if generatedToken != tokenBytes {
        return errors.New("Token mismatch")
    }
    return 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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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: \{\: function "InvalidFunction" not defined \n `\n    },
    Context{Format: "\{nil\}"},
    "Template parsing error: template: parsing error: template: \{\: executing "\" at <nil>: nil is not a command \n `\n    }
  }
}
// Table format

Context{Format: NewSubscriptionsFormat("table", false)},

<table>
<thead>
<tr>
<th>NUM</th>
<th>OWNER</th>
<th>PRODUCT ID</th>
<th>EXPIRES</th>
<th>PRICING COMPONENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>owner1</td>
<td>productid1</td>
<td>2020-01-01 10:00:00 +0000 UTC</td>
<td>compstring</td>
</tr>
<tr>
<td>2</td>
<td>owner2</td>
<td>productid2</td>
<td>2020-01-01 10:00:00 +0000 UTC</td>
<td>compstring</td>
</tr>
</tbody>
</table>

// Raw Format

Context{Format: NewSubscriptionsFormat("raw", false)},

license: id1
name: name1
owner: owner1
components: compstring
license: id2
name: name2
owner: owner2
components: compstring

// Table format

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

// Raw Format

Context{Format: NewSubscriptionsFormat("raw", true)},

license: id1
name: name1
owner: owner1
components: compstring
license: id2
name: name2
owner: owner2
components: compstring

// Table format

Context{Format: NewSubscriptionsFormat("table {{.Owner}}", false)},

OWNER
owner1
owner2

// Table format

Context{Format: NewSubscriptionsFormat("table {{.Owner}}", true)},

OWNER
owner1
owner2

// Raw Format

Context{Format: NewSubscriptionsFormat("raw {{.Owner}}", false)},

license: id1
name: name1
owner: owner1
components: compstring
license: id2
name: name2
owner: owner2
components: compstring

// Raw Format

Context{Format: NewSubscriptionsFormat("raw {{.Owner}}", true)},

license: id1
license: id2
// Custom Format
{
  Context{Format: NewSubscriptionsFormat("{{.Owner}}", false)},
  owner1
  owner2
},
}

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,
      },
      },
      ComponentString: "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,
      },
      },
      ComponentString: "compstring",
    }
  }
}
Open Source Used In Crosswork Optimization Engine 1.118435

```go
out := &bytes.Buffer{}
testcase.context.Output = out
er := SubscriptionsWrite(testcase.context, subscriptions)
if err != nil {
    assert.Error(t, err, testcase.expected)
} else {
    assert.Check(t, is.Equal(testcase.expected, out.String()))
}

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,
                    },
                },
                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",
            },
        }
    }
```
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
    Quantity: 10 nodes
    Expiration 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))  
}

const (  
defaultSubscriptionsTableFormat = "table  
{ {Num} }{ {{Owner}} }{ {{ProductID}} }{ {{Expires}} }{ {{ComponentsString}} }"  
defaultSubscriptionsQuietFormat = "{ {Num} }{ {{Summary}} }"  
)
numHeader = "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{
        header: map[string]string{
            "Num": numHeader,
            "Owner": ownerHeader,
            "Name": licenseNameHeader,
        }
    }
    return render(func(l licenseCtx) error {
        return
    })
}

"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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1.2234 lang-tag 1.4.3

1.2235 shadow 4.6-r2

1.2235.1 Available under license :

# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.6
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="2caf1308318c388b0580fd0fd330c41bbabb9e0ef68242cd0d994b3e19fbc2fcb092ef8734a12cc91256c 77d2b6f5880e325e264b369d06f5239f482a9d7bc5  license-list-data-3.6.tar.gz"
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py3-flake8-copyright
_pkgnmae=flake8-copyright
pkgver=0.2.2
pkgrel=0
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/$_pkgname/0.1/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
build() {
    python3 setup.py build
}

package() {
    python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ff3153f0be1bed746464220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"
/
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*/
#
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# Maintainer: Valery Kartel <valery.kartel@gmail.com>

openurllib.open("https://metacpan.org/release/BSD-Resource")

pkgname=perl-bsd-resource
__pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=2
pkgdesc="Perl extension implements the BSD process resource limit functions"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$__pkgreal-$pkgver.tar.gz"

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

prepare() {
    default_prepare
}
export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor

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

check() {
make test
}

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

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0828df16
dfa5417f63b8065ba65f4ea16de9262728b3b6b85"  BSD-Resource-1.2911.tar.gz"
Avoid installing headers with mode 700.

--- a/CMake/utility.cmake
+++ b/CMake/utility.cmake
@@ -165,7 +165,7 @@
 getNameOfDir(CMAKE_CURRENT_SOURCE_DIR DIRNAME)
 if (${shouldInstall})
   if (NOT ${FULL_HEADER_PATH} MATCHES ".*_p.h$") # we don't want to install header files which are
-      install(FILES ${FULL_HEADER_PATH} DESTINATION "include/${DIRNAME}/${REL_PATH}" PERMISSIONS OWNER_READ)
+      install(FILES ${FULL_HEADER_PATH} DESTINATION "include/${DIRNAME}/${REL_PATH}")
     endif()
   endif()
   endforeach()

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.h2016-03-09 20:04:48.000000000 +0200
@@ -68,17 +68,7 @@
 void *reallocarray(void *, size_t, size_t);
 #endif
#ifdef 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

#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"

#endif

#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 @@
    if (realpath(path, resolvedname) == NULL) {
    } else {
        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 {
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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
}

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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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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.Retrnition;
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 "";
}

1.2257 zstd 1.3.3+dfsg 2ubuntu1.1

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

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

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

Oracle

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

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

Oracle OpenJDK

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

* java.sun.security.ssl

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

OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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- 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
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- jsp_2_2.xsd
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1.2288 pax-web-resources-extender 7.2.5

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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
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that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

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

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directing the user to the copy of this License. Also, you must do one
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.

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

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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.
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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.)

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

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

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4. You may copy and distribute the Library (or a portion or
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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
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Whether this is true is especially significant if the work can be
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

c) If distribution of the work is made by offering access to copy
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d) Verify that the user has already received a copy of these
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For an executable, the required form of the "work that uses the
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1.2312 cyrus-sasl 2.1.27 r3

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1.2316 spring-boot-starter 2.1.6
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1.2317 zipkin-autoconfigure-collector-kafka

2.8.3

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1.2322 management-ehcache-common 2.10.6

1.2323 jackson-annotations 2.10.1

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package net.sf.ehcache.store;

import net.sf.ehcache.Element;
import net.sf.ehcache.config.Searchable;

import java.util.Iterator;

/**
 * A { @link BruteForceSource} that wraps another one and deals with copy for read of { @link Element}s.
 * @author ljacomet
 */
class CopyingBruteForceSource implements BruteForceSource {

    private final BruteForceSource delegate;
    private final CopyStrategyHandler copyStrategyHandler;

    /**
     * Construct this CopyingBruteForceSource with the given delegate and the { @link CopyStrategyHandler} to use.
     * @param delegate the delegate BruteForceSource
     * @param copyStrategyHandler the copy strategy handler
     */
    CopyingBruteForceSource(BruteForceSource delegate, CopyStrategyHandler copyStrategyHandler) {
        this.delegate = delegate;
        this.copyStrategyHandler = copyStrategyHandler;
    }
}
```java
@Override
public Iterable<Element> elements() {
    return new CopyingIterable(delegate.elements(), copyStrategyHandler);
}

@Override
public Searchable getSearchable() {
    return delegate.getSearchable();
}

@Override
public Element transformForIndexing(Element element) {
    return copyStrategyHandler.copyElementForReadIfNeeded(element);
}

/**
 * Wrapping Iterable holding the delegate Iterable and the CopyStrategyHandler
 */
private static class CopyingIterable implements Iterable<Element> {
    private final Iterable<Element> elements;
    private final CopyStrategyHandler copyStrategyHandler;

    public CopyingIterable(Iterable<Element> elements, CopyStrategyHandler copyStrategyHandler) {
        this.elements = elements;
        this.copyStrategyHandler = copyStrategyHandler;
    }

    @Override
    public Iterator<Element> iterator() {
        return new CopyingIterator(elements.iterator());
    }

    /**
     * Wrapping Iterator responsible of doing the copy on read
     */
    private class CopyingIterator implements Iterator<Element> {
        private final Iterator<Element> delegate;

        public CopyingIterator(Iterator<Element> delegate) {
            this.delegate = delegate;
        }

        @Override
        public boolean hasNext() {
            return delegate.hasNext();
        }
    }

    @Override
    public boolean hasNext() {
        return delegate.hasNext();
    }

    @Override
    public boolean hasPrevious() {
        return delegate.hasPrevious();
    }
}
```
public Element next() {
    return copyStrategyHandler.copyElementForReadIfNeeded(delegate.next());
}

@Override
public void remove() {
    delegate.remove();
}

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 */
package net.sf.ehcache.store;

import net.sf.ehcache.Element;
import net.sf.ehcache.config.CacheConfiguration;
import net.sf.ehcache.store.compound.ReadWriteCopyStrategy;

/**
 * Copies elements, either on read, write or both before using the underlying store to actually store things
 * When copying both ways, the store might not see the same types being stored
 * @param <T> the store type it wraps
 *
 * @author Alex Snaps
 */
public final class CopyingCacheStore<T extends Store> extends AbstractCopyingCacheStore<T> {

    /**
     * Creates a copying instance of store, that wraps the actual storage
     *
     * @param store the real store
     * @param copyOnRead whether to copy on reads
     * @param copyOnWrite whether to copy on writes
     * @param copyStrategyInstance the copy strategy to use on every copy operation
     */
public CopyingCacheStore(T store, boolean copyOnRead, boolean copyOnWrite, 
ReadWriteCopyStrategy<Element> copyStrategyInstance, ClassLoader loader) {
    super(store, copyOnRead, copyOnWrite, copyStrategyInstance, loader);
}

public static Store wrapIfCopy(final Store cacheStore, final CacheConfiguration cacheConfiguration) {
    if (requiresCopy(cacheConfiguration)) {
        return wrap(cacheStore, cacheConfiguration);
    }
    return cacheStore;
}

private static <T extends Store> CopyingCacheStore<T> wrap(final T cacheStore, final CacheConfiguration 
    cacheConfiguration) {
    final ReadWriteCopyStrategy<Element> copyStrategyInstance = 
    cacheConfiguration.getCopyStrategyConfiguration().
        getCopyStrategyInstance(cacheConfiguration.getClassLoader());
    return new CopyingCacheStore<T>(
        cacheStore, cacheConfiguration.isCopyOnRead(), 
        cacheConfiguration.isCopyOnWrite(), copyStrategyInstance, 
        cacheConfiguration.getClassLoader());
}

static boolean requiresCopy(final CacheConfiguration cacheConfiguration) {
    return cacheConfiguration.isCopyOnRead() || cacheConfiguration.isCopyOnWrite();
}

static boolean isCopyOnReadAndCopyOnWrite(final CacheConfiguration cacheConfiguration) {
    return cacheConfiguration.isCopyOnRead() && cacheConfiguration.isCopyOnWrite();
}
return cacheConfiguration.isCopyOnRead() && cacheConfiguration.isCopyOnWrite();
}

/**
 * Wraps the given {link net.sf.ehcache.store.ElementValueComparator} if the configuration requires copy on read
 * @param comparator the comparator to wrap
 * @param cacheConfiguration the cache configuration
 * @return the comparator passed if no copy needed, a wrapped comparator otherwise
 */
public static ElementValueComparator wrapIfCopy(final ElementValueComparator comparator, final CacheConfiguration cacheConfiguration) {
    if (isCopyOnReadAndCopyOnWrite(cacheConfiguration)) {
        final ReadWriteCopyStrategy<Element> copyStrategyInstance =
            cacheConfiguration.getCopyStrategyConfiguration().
                getCopyStrategyInstance(cacheConfiguration.getClassLoader());
        CopyStrategyHandler copyStrategyHandler = new CopyStrategyHandler(cacheConfiguration.isCopyOnRead(),
            cacheConfiguration.isCopyOnWrite(),
            copyStrategyInstance, cacheConfiguration.getClassLoader());
        return new CopyingElementValueComparator(comparator, copyStrategyHandler);
    }
    return comparator;
}

/**
 * An {link net.sf.ehcache.store.ElementValueComparator} which handles copy on read
 */
private static class CopyingElementValueComparator implements ElementValueComparator {
    private final ElementValueComparator delegate;
    private final CopyStrategyHandler copyStrategyHandler;

    public CopyingElementValueComparator(ElementValueComparator delegate, CopyStrategyHandler copyStrategyHandler) {
        this.delegate = delegate;
        this.copyStrategyHandler = copyStrategyHandler;
    }

    @Override
    public boolean equals(Element e1, Element e2) {
        return delegate.equals(copyStrategyHandler.copyElementForReadIfNeeded(e1),
            copyStrategyHandler.copyElementForReadIfNeeded(e2));
    }
}
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;
            } else if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
    }
}
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)) {
        } else if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        } else if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            return 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;
}
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;
        }

        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() {
    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 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!");
        }
    }
}

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 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;
            }
        }
        return mask;
    }
}

package com.hazelcast.security.permission;
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;
}
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;
    }
}

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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 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)) {

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                 */
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;

import java.security.Permission;

public class TransactionPermission extends ClusterPermission {

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

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

@Override

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;
            } 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;
            }
        }
        return mask;
    }

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

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

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 */

package com.hazelcast.security.permission;
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;
        } else {
            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;

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     */
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;
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;
}

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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 (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;
            } else 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;
            }
        }
        return mask;
    }
}
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;

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;
}

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;
}

---

1.2326 libunwind 1.2.1-8
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1.2327 neo4j csv 3.5.12

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src/udev/net/link-config.c
src/udev/net/ethtool-util.c
src/udev/net/ethtool-util.h

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1.2336 postgresql-jdbc 42.2.8

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1.2337 pax-jms-activemq 1.0.2

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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
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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
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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successor of a language called ABC. Guido remains Python's principal author,
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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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Any feedback is very welcome.
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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---------

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
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----

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--------

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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
 * 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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*******************************************************************************/

package org.eclipse.text.edits;

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

import org.eclipse.jface.text.IDocument;

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

private String fText;

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

/**
 * Copy constructor
 */
private CopyingRangeMarker(CopyingRangeMarker other) {
super(other);
fText= other.fText;
}

/* non Java-doc
 * @see TextEdit#doCopy
 */
protected TextEdit doCopy() {
return new CopyingRangeMarker(this);
}

/*
 * @see TextEdit#accept0
 */
protected void accept0(TextEditVisitor visitor) {
boolean visitChildren = visitor.visit(this);
if (visitChildren) {
acceptChildren(visitor);
}
}

/* non Java-doc
 * @see TextEdit#performDocumentUpdating
 */
/* package */ int performDocumentUpdating(IDocument document) throws BadLocationException {
fText= document.get(getOffset(), getLength());
fDelta= 0;
}
return fDelta;
}

/* non Java-doc */
* @see TextEdit#deleteChildren
*/
/* package */ boolean deleteChildren() {
return false;
}
}

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Version 1.1

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-- activemq-web
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-- activemq-web
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1.2387 elfutils 0.168 1

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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
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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.
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1.2393 jackson-module-paranamer 2.9.10

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1.2394 eclipse-compiler 3.12.3.v20170228-1205

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1.2395 mysql-jdbc 6.0.6

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*/

By plainly marking modifications, something along the lines of adding to each
file that has been changed a "Modified by Foo Bar" line
underneath the "Written by" line would be adequate.
/* 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), "",")", (int)(ROUNDED)))

#if defined HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u", (int)(ALIGNMENT) / BITs_PER_UNIT))
/* 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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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009
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This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

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"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.
A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

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#!/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
# 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',
            'lt--obsolete.m4',
            'missing',
            'mkdep',
            'mkinstalldirs',
            'move-if-change',
            'shlibpath.m4',
        '])
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile (r'	')
    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 ( r'
            # 1: 'Copyright (C)', etc.
            #\([Cc]\)opyright\n            #\([Cc]\)opyrights+\[(Cc)\]\)
            #\([Cc]\)opyrights+%s
            #\([Cc]\)opyrights+&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*\[?[-0-9,.\s][s+and][s+]\]s+\)
            #\[@value\{[^{}]*\}\]s*\)
            # 3: 'by ', if used
            #\(by\s+\)?
# 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)

# 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:
        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...

' % 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 selfdirs:
                    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',
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)

        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 ('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')
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 ('libdecmumber')
        # libffi is imported from upstream.
        self.add_dir ('libgcc', LibGCCFilter())
        self.add_dir ('libgfortran')
        # libg 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')
        # liboffloadmci 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',
    'libc++',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
    'libitm',
    'libobjc',
    'libssp',
    'libstdc++-v3',
    'libvtv',
    'lto-plugin',
]

GCCCmdLine().main()
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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

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@end enumerate

@end enumerate

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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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This program comes with ABSOLUTELY NO WARRANTY; for details type show w. This is free software, and you are welcome to redistribute it under certain conditions; type show c for details.

The hypothetical commands show w and
<qandadiv id="faq.copyright">
<title>Copyright</title>

<qandaentry id="faq.what.copyright">
<question><para>What are the copyrights?</para></question>

<answer>
<para>Please see <ulink url="http://cygwin.com/licensing.html"/> for more information about Cygwin copyright and licensing.</para>
</answer>
</qandaentry>
</qandadiv>

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

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

------------------------------------------------------------------------
" 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
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<>.

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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

    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
    if t \{
        ds \h(\n(.wu*8/10-*%2u)^.1m)
        ds \h(\n(.wu*8/10-*.1m)
        ds \h(\n(.wu*8/10-*.1m)
        ds \h(\n(.wu*8/10-*.1m)
        ds \h(\n(.wu*8/10-*.1m)
    " troff and (daisy-wheel) nroff accents
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.IP "d." 4
.IX Item "d."
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.IX Item "e."
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RE
RS 4
Sp
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Sp
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Sp
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Sp
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Sp
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Also add information on how to contact you by electronic and paper mail.

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

### Samples

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

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```

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---

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SEE ALSO

gfdl(7), sf-funding(7).

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<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
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</table>

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Version 2.1, February 1999

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1.2408 attr 2.4.47 2build1

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This package was debianized by Nathan Scott nathans@debian.org on Sun, 19 Nov 2000 07:37:09 -0500.

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1.2409 websocket-server 9.4.8.v20171121

1.2410 rhino 1.7.7.1

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1.2411 ops4j-base-util-property 1.5.0

1.2412 antlr-runtime 4.7.1

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1.2415 jasypt 1.9.2
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*
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*
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
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Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
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1.2440 jline 2.12

1.2441 init-system-helpers 1.56+nmu1

1.2441.1 Available under license:

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1.2451 google-protobuf 3.8.0

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1.2452 pax-jdbc-db2 1.3.1

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#*+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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#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 */

Files: /* UV_BSD_H */

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1.2487 jackson 2.9.0

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1.2493 apache-aries-blueprint-api 1.0.1

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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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1.2513 servlet-api 2.5

1.2514 linux-signed 4.15.0 55.60

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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
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(If you think you should be in this list, but you are not, drop a
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static inline int license_is_gpl_compatible(const char *license) {
    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

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1.2515 neo4j cypher runtime util 3.5.4

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1.2523 neo4j-collections 3.5.4

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    contrib/analyzers/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
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1.2542 zipkin-autoconfigure-storage-elasticsearch-aws 2.8.3

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1.2543 grpc-context 1.25.0

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1.2544 zstd-jni 1.4.3-1

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1.2545 pax-url-wrap 2.5.4

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- javaee_6.xsd
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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Oracle

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

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

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Oracle OpenJDK

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

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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

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Oracle

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

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

-----

Oracle OpenJDK

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

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

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OW2

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

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Apache

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

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-el-api
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2583 openssh 7.6p1 4ubuntu0.3

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 * */
/* 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 */
#endif /* _BSD_WAITPID_H */

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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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*/

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int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
/*$OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp */
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#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#endif

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#ifdef 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 POLLRD 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x020
#if 0
  /* the following are currently not implemented */
  #define POLLPRI 0x0002
  #define POLLRDNORM 0x0040
  #define POLLNORM 0x0078
  #define POLLWRNORM POLLOUT
  #define POLLRDBAND 0x0080
  #define POLLRBD 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 */

1.2584 jaxb-api 2.1
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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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package simulator

import (
"github.com/vmware/govmomi/object"
)
// 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
    }
    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{
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{
func licenseInfo(key string, labels []types.KeyValue) types.LicenseManagerLicenseInfo {
    info := EvalLicense

    info.LicenseKey = key
    info.Labels = labels

    return info
}

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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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tomb - support for clean goroutine termination in Go.

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goproperties - properties file decoder for Go

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

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BSON library for Go

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1.2588 grep 3.1 2

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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;
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 (-1 to use the default)
  * @param grantsAndDenials the set of GrantAndDenials
  */
  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 GrantAndDenials.
 *
 * @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;
}
}

1.2595 slf4j 1.7.24

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1.2596 zipkin-collector-kafka 2.8.3

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1.2597 dom4j 1.6.1.5

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```
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1.2615 cas server core services authentication 5.2.0

1.2616 jansi-osx 1.6
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1.2618 semver4j 2.0.3

1.2619 profiler 1.0.2

1.2620 eclipse-update-configurator 3.3.300.v20140518-1928

1.2621 zipkin-autoconfigure-ui 2.8.3

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

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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
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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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.

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

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

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

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

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

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

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

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

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

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

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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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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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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!

#ifndef __LICENSE_H
#define __LICENSE_H

static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0

#endif
|| strcmp(license, "Dual MIT/GPL") == 0
|| strcmp(license, "Dual MPL/GPL") == 0);
}
#endif

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.. note::

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1.2626 jackson-module-parameter-names

2.9.9

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1.2644 jetty-util 9.4.19.v20190610

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org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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1.2656 spring-cloud-context 1.2.4

1.2657 neo4j graph matching 3.1.9

1.2657.1 Available under license:

Please refer the ECLM# 96814, ECLM# 131629 Amendment #4

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1.2663 cas-server-core-events 5.2.0

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1.2664 jdk-oracle 1.8.0u202

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This package was debianized by Colin Walters <walters@debian.org> on
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1.2668 metrics-graphite 4.0.5

1.2669 objectweb-asm 7.0

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1.2693 cas-server-core-api-util 5.2.0

1.2694 glibc 2.28-10

1.2694.1 Available under license :

/* setjmp is implemented in setjmp.S */

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# Jackson JSON processor

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4:)
*+-
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/0
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();

}
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.
     *
     * 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
 * 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 file permission, 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 FilePermission 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 FilePermissionCollection.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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* questions.
*/
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();
}

public interface Eula {<br>/**<br>   * A simple interface to show the End User License Agreement(EULA) dialog<br>   */<br>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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1.2737 apache-aries-spifly-dynamic-bundle

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<one line to give the program's name and a brief idea of what it does.>
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The End

1.2753 go-simplejson 3.13.2

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1.2754 apache-karaf-diagnostic-core 4.2.2

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1.2755 coreutils 8.30 3
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Eclipse

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

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

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

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Oracle

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

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

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Oracle OpenJDK

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

* java.sun.security.ssl

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

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OW2

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

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

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Apache

The following artifacts are ASL2 licensed.

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

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MortBay

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

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

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

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

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.2773 python-stdlib-extensions 3.6.9-1~18.04
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=====================================

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnrilreston.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 (see http://www.digicoool.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. Digital Creations is a sponsoring member of the PSF.

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1.2775 javax-annotation-api 1.3.1

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1.2783 zstd-jni 1.3.8-1

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1.2794 pam 1.1.8 3.6ubuntu2.18.04.1

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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);
+            
+```
Open Source Used In Crosswork Optimization Engine 1.123152

+     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;
+
This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on

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1.2795 spring-web-mvc 4.3.12

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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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1.2844 sysv-init 2.93 8
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### 1.2845 libcap 2.27-r0

**1.2845.1 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
diff -ru openssh-7.2p2.orig/openbsd-compat/openbsd-compat.h openssh-7.2p2/openbsd-compat/openbsd-compat.h
```

Open Source Used In Crosswork Optimization Engine 1.123384
--- 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
-
-#ifndef HAVE_RRESVPORT_AF
-#include "includes.h"
+#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.c2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/openbsd-compat/realpath.c2016-07-18 13:33:45.420721690 +0300
@@ -31,7 +31,7 @@
 #if !defined(HAVE_REALPATH) || defined(BROKEN_REALPATH)
 +#endif
+
+#ifndef HAVE_REALPATH
+char *realpath(const char *path, char *resolved);
+endif
+
+char *ssh_realpath(const char *path, char *resolved);

#define HAVE_RRESVPORT_AF

#include "includes.h"

--- openssh-7.2p2.orig/sftp-server.c openssh-7.2p2/sftp-server.c
---- openssh-7.2p2.orig/sftp-server.c2016-03-09 20:04:48.000000000 +0200
+++ openssh-7.2p2/sftp-server.c2016-07-18 13:34:45.420721690 +0300
@@ -1162,7 +1162,7 @@
 } debug3("request %u: realpath", id);
verbose("realpath \\
"%s\\n", path);
- if (realpath(path, resolvedname) == NULL) {
+ if (ssh_realpath(path, resolvedname) == NULL) {
 send_status(id, errno_to_portable(errno));
} else {
Stat s;
diff --git a/tests/t0501-duplicate.sh b/tests/t0501-duplicate.sh
index 66d321a..0520131 100644
--- a/tests/t0501-duplicate.sh
+++ b/tests/t0501-duplicate.sh
@@ -18,7 +18,11 @@
 . ".${srcdir=}\.init.sh"; path_prepend_ ../.parted .
+arch=$(uname -m)
for t in msdos gpt bsd; do
+  if [ "$t" = bsd ] && [ "$arch" = "x390x" ]; then
+    continue
+  fi
+  duplicate $t || fail=1
done
# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
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pkgname=py-flake8-copyright
__pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=2
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/$_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="c6348990c6d74933bf5df6a55a14bdf  flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9cd5b101e68175fcef6d2b353bf36da688fdd62fcco6b373  flake8-copyright-"
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pkgname=spdx-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="4b4bcde554ee69e9e0703152a2d09e2a3c49314718d6b7e0847c0dff6a989d5d4684d152e899e8bbb3b
a2767ded027eacfe1eb6aecf945ef2c5a933c62dec license-list-data-3.5.tar.gz"
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 */
--- a/main.c
+++ b/main.c
@@ -33,7 +33,7 @@
     #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="8a632a6a4da59e5e8c02ee2f5a57e36d182b325b46513765425e5f171f9ae326af1b133725beba2817e76654309e001ae9bace727b5b4e858940526a3e020 libart_lgpl-2.3.21.tar.bz2"

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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
dfa5417f663b8065ba65f4fea16de9262728b3b6b85  BSD-Resource-1.2911.tar.gz"

1.2846 libsodium 1.0.16
1.2846.1 Available under license :
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 */

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18.04+20180712
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* Fixes for Solaris 10 32/64-bit confusion.
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* Optimize Java serialization of strings so that UTF-8 encoding happens only
  once per string per serialization call.
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* Fixed minor IBM xIC compiler build issues
* Added atomicops for AIX (POWER)

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1.2853 commons-lang 2.4

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1.2856 busybox 1.27.2-2ubuntu3.2

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1.2859 libxml 2.9.8-r1

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1.2866 jackson-module-parameter-names

2.10.0

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## DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

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

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

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

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

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

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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.

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

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.

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For an executable, the required form of the "work that uses the
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- the GNU.Gettext.dll C# library,
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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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

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

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

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a \texttt{``work based on the library''} and a \texttt{``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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You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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.

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4.2.2

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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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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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Asynchronous socket services

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

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UUencode and UUdecode functions
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```

Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion
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  version is still 5 times faster, though.
- Arguments more compliant with Python standard

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

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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

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

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and
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zlib
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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

cfuhash
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The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
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1.2925 perl 5.28.1 6
1.2925.1 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
```
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>;

    return $copyright_msg;
my ($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\nModule-Build mailing list at <module-
build@perl.org>.'
build_requires:
File::Temp: 0.15
Test::Harness: 3.16
Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4
name: Module-Build
resources:
MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3

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

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

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<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<meta name="description" content="Java &middot; HTML5 &middot; HTML4 &middot; XML &middot; JavaScript &middot; JSON &middot; CSS &middot; CSV" />
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<!--[if lt IE 9]>
<![endif]-->

<script>
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(i[r].q=i[r].q||[]).push(arguments)},i[r].l=1*new Date();a=s.createElement(o),m=s.getElementsByTagName(o)[0];a.async=1;a.src=g;m.parentNode.insertBefore(a,m)

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Protocol Buffers for Go with Gadgets

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>>> freebsd-base64-4.8
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>>> unicode-5.0

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That's all there is to it!

1.2935 libjpeg 8c

1.2935.1 Notifications:
This software is based in part on the work of the Independent JPEG Group.

1.2935.2 Available under license:
The Independent JPEG Group's JPEG software

README for release 6b of 27-Mar-1998

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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.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP
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This file contains the following sections:

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

Other documentation files in the distribution are:

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

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

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

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

OVERVIEW
=========

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

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

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

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

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

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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, ltoconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

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

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

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

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


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

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.
The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
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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
PBMPPLUS 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 PBMPPLUS/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.

1.2936 springfox-swagger-common 2.7.0
1.2937 make-dfsg 4.1-9.1ubuntu1

1.2937.1 Available under license:

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Version 3, 29 June 2007

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**Version 2, June 1991**

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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:

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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.
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<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.

<p>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>b</b>old font" has range (4, 8) replaced with "strong", then it becomes "the <b>strong</b> font".

<p><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.

<p><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>.

<p>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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<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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@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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1.2948 pac4j-http 2.1.0

1.2949 curl 7.58.0 2ubuntu3.8

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1.2950 aeron client 1.15.3

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1.2954 debianutils 4.8.6.1

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1.2956 cas-server-core-api-services 5.2.0

1.2957 libpsl 0.19.1-5build1

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1.2962 nettle 3.5.18-1ubuntu1.3

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1.2979 jetty-security 9.4.17.v20190418

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

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Oracle OpenJDK

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* java.sun.security.ssl

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

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

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

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

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org.eclipse.jetty.toolchain:jetty-schemas

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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

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

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

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

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

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

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

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:

1. The modified work must itself be a software library.
2. You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
3. You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
4. 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.

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.

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

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

@item

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

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

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

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

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

@item

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference
Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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.

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.

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.

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:

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

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

You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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@end enumerate

@subheading END OF TERMS AND CONDITIONS

@page
@subheading How to Apply These Terms to Your New Libraries

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

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

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

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You should have received a copy of the GNU Lesser General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
@end example

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:

@example

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

@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample

That's all there is to it!
The libasprintf package is under the LGPL, see file COPYING.LIB.

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Version 2.1, February 1999

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

Preamble

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freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
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This license, the Lesser General Public License, applies to some
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Free Software Foundation and other authors who decide to use it. You
can use it too, but we suggest you first think carefully about whether
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strategy to use in any particular case, based on the explanations
below.

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it if you want it; that you can change the software and use pieces of
it in new free programs; and that you are informed that you can do
these things.

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

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

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

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

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

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

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

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

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

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

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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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straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

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

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

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

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

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

a) The modified work must itself be a software library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

private String fText;

/**
 * Creates a new <tt>CopyingRangeMarker</tt> for the given
 * offset and length.
 * @param offset the marker's offset
 * @param length the marker's length
 */

private CopyingRangeMarker(CopyingRangeMarker other) {
    super(other);
    fText= other.fText;
}

/*
 * Copy constructor
 */

private CopyingRangeMarker(CopyingRangeMarker other) {
    super(other);
    fText= other.fText;
}
/* non Java-doc
* @see TextEdit#doCopy
*/
protected TextEdit doCopy() {
    return new CopyingRangeMarker(this);
}

/*
* @see TextEdit#accept0
*/
protected void accept0(TextEditVisitor visitor) {
    boolean visitChildren = visitor.visit(this);
    if (visitChildren) {
        acceptChildren(visitor);
    }
}

/* non Java-doc
* @see TextEdit#performDocumentUpdating
*/
/* package */ int performDocumentUpdating(IDocument document) throws BadLocationException {
    fText= document.get(getOffset(), getLength());
    fDelta= 0;
    return fDelta;
}

/* non Java-doc
* @see TextEdit#deleteChildren
*/
/* package */ boolean deleteChildren() {
    return false;
}

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1.3001 curl 7.66.0 r0
1.3001.1 Available under license:
   License Mixing
   =============
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1.3002 neo4j cypher interpreted runtime

3.5.12

1.3002.1 Available under license:

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Version 3, 29 June 2007

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1.3008 python 3.6.4

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.. _history-and-license:

*******************

History and License
*******************

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

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

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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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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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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.

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

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

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

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

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

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``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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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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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.

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

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4. You may copy and distribute the Library (or a portion or 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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Jean-loup Gailly    Mark Adler
jloup@gzip.org      madler@alumni.caltech.edu

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Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Espie, Marc
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Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
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Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
1.3020

netty-config-api 0.10.2

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1.3021 google-collections 0.9

1.3022 help-base 4.4.0.v20140623020002

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Julian Seward, jseward@bzip.org

bzip2/libbzip2 version 1.0.6 of 6 September 2010

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

@end enumerate

@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.

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

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

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

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

@example
@var{program} Copyright (C) @var{year} @var{name of author}
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

The hypothetical commands @samp{show w} and @samp{show c} should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use an `about box'.

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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non-GPL (including proprietary) programs to use, in this way, the
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"Target Code" refers to output from any compiler for a real or virtual
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for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in
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Version 2.1, February 1999

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1.3045 junit 4.12
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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 <span class="productname">PostgreSQL</span> will use the default login class.

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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.

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 `<code class="function">PQsetNoticeReceiver</code>` sets or
examines the current notice receiver for a connection object. Similarly, `<code>PQsetNoticeProcessor</code>` sets or examines the current notice processor.

```c
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 `libpq`, the notice receiver function is called. It is passed the message in the form of a `PGRES_NONFATAL_ERROR` `PGresult`. (This allows the receiver to extract individual fields using `<code>PQresultErrorField</code>`, or obtain a complete preformatted message using `<code>PQresultErrorMessage</code>` or `<code>PQresultVerboseErrorMessage</code>.) The same void pointer passed to `<code>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>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>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>.

1.3068 pac4j saml 2.1.0

1.3069 commons-codec 1.6

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1.3073 lua 5.3.5 r1
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1.3074 annotations 3.0.0

1.3075 artemis-commons 1.1.0.wildfly-010

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1.3076 feign-form 3.8.0

1.3077 go-colortext 1.5.2 0.7.git269f928.el7

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1.3078 etcd 3.3.13 r0

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.SH NAME
PP
etcdctl\role\grant\permission \ Grants a key to a role

.SH SYNONYMS
PP
\Betcdctl role grant\permission [options] <role name> <permission type> <key> [endkey] [flags]\fP

.SH DESCRIPTION
PP
Grants a key to a role

.SH OPTIONS
PP
\B\B-from\key\fP[=false]
grant a permission of keys that are greater than or equal to the given key using byte compare

PP
\B-h\P, \B\-help\fP[=false]
help for grant\permission

PP
grant a prefix permission

.SH OPTIONS INHERITED FROM PARENT COMMANDS

PP
\B\-\-cacert\P=""
  verify certificates of TLS-enabled secure servers using this CA bundle

PP
\B\-\-cert\P=""
  identify secure client using this TLS certificate file

PP
\B\-\-command\-timeout\P=5s
  timeout for short running command (excluding dial timeout)

PP
\B\-\-debug\P=[false]
  enable client-side debug logging

PP
\B\-\-dial\-timeout\P=2s
  dial timeout for client connections

PP
\B\-\-discovery\-srv\P=""
  domain name to query for SRV records describing cluster endpoints

PP
\B\-\-discovery\-srv\-name\P=""
  service name to query when using DNS discovery

PP
\B\-\-endpoints\P=[127.0.0.1:2379]
  gRPC endpoints

PP
\B\-\-hex\P=[false]
  print byte strings as hex encoded strings

PP
\B\-\-insecure\-discovery\P=[true]
  accept insecure SRV records describing cluster endpoints

PP
\B\-\-insecure\-skip\-tls\-verify\P=[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)

- **write-out**="simple"
  set the output format (fields, json, protobuf, simple, table)

SEE ALSO

etcdctl\-role(1)

HISTORY

14-Mar-2019 Auto generated by spf13/cobra
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.TH "etcdctl3" "1" "Mar 2019" "Auto generated by spf13/cobra" ".nh
.ad l

.SH NAME
.PP
etcdctl\-role\-revoke\-permission \- Revokes a key from a role

.SH SYNOPSIS
.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\-key\fP[=false]
    revoke a permission of keys that are greater than or equal to the given key using byte compare

\fB\-h\fP, \fB\-hlp\fP[=false]
    help for revoke\-permission

.PP
\textbf{\texttt{-prefix}}[false]

revoke a prefix permission

\textbf{OPTIONS INHERITED FROM PARENT COMMANDS}

\textbf{\texttt{-cacert}}"

verify certificates of TLS-enabled secure servers using this CA bundle

\textbf{\texttt{-cert}}"

identify secure client using this TLS certificate file

\textbf{\texttt{-command-timeout}}=5s

timeout for short running command (excluding dial timeout)

\textbf{\texttt{-debug}}[false]

enable client-side debug logging

\textbf{\texttt{-dial-timeout}}=2s

dial timeout for client connections

\textbf{\texttt{-discovery-srv}}"

domain name to query for SRV records describing cluster endpoints

\textbf{\texttt{-discovery-srv-name}}"

service name to query when using DNS discovery

\textbf{\texttt{-endpoints}}=[127.0.0.1:2379]

gRPC endpoints

\textbf{\texttt{-hex}}[false]

print byte strings as hex encoded strings

\textbf{\texttt{-insecure-discovery}}[true]

accept insecure SRV records describing cluster endpoints

\textbf{\texttt{-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)

-w, --write-out=
  set the output format (fields, json, protobuf, simple, table)

SEE ALSO

etcdctl3-role(1)

HISTORY

14-Mar-2019 Auto generated by spf13/cobra
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procs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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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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.TH "etcdctl3" "1" "Mar 2019" "Auto generated by spf13/cobra"

.SH NAME

etcdctl\-role\-revoke\-permission \- Revoke a key from a role

.SH SYNOPSIS

.etcdctl role revoke\-permission <role name> <key> [endkey] [flags]fP

.SH DESCRIPTION
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-role(1)
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Grants a key to a role

.SH OPTIONS

- **from-key**
  - grant a permission of keys that are greater than or equal to the given key using byte compare

- **help, -h**
  - help for grant-permission

- **prefix**
  - grant a prefix permission

.SH OPTIONS INHERITED FROM PARENT COMMANDS

- **cacert**
  - verify certificates of TLS-enabled secure servers using this CA bundle

- **cert**
  - identify secure client using this TLS certificate file

- **command-timeout**
  - timeout for short running command (excluding dial timeout)

- **debug**
  - enable client-side debug logging

- **dial-timeout**
  - dial timeout for client connections

- **discovery-srv**
  - domain name to query for SRV records describing cluster endpoints

- **discovery-srv-name**
  - service name to query when using DNS discovery

- **endpoints**
  - list of endpoints to connect to
gRPC endpoints

\[\text{-hex]\[=false]\]
print byte strings as hex encoded strings

\[\text{-insecure\-discovery]\[=true]\]
accept insecure SRV records describing cluster endpoints

\[\text{-insecure\-skip\-tls\-verify]\[=false]\]
skip server certificate verification

\[\text{-insecure\-transport]\[=true]\]
disable transport security for client connections

\[\text{-keepalive\-time}\[=2s]\]
keepalive time for client connections

\[\text{-keepalive\-timeout}\[=6s]\]
keepalive timeout for client connections

\[\text{-key}\[=\]
identify secure client using this TLS key file

\[\text{-password}\[=\]
password for authentication (if this option is used, -user option shouldn’t include password)

\[\text{-user}\[=\]
username[:password] for authentication (prompt if password is not supplied)

\[\text{-w}\[=\], \text{-write\-out}\[=\]“simple”
set the output format (fields, json, protobuf, simple, table)

\[\text{SEE ALSO}\]
\[\text{etcdctl3\-role(1)}\]
1.3079 cas-server-core-api-ticket 5.2.0

1.3080 libpipeline 1.5.0-1
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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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

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

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

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Oracle OpenJDK

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* java.sun.security.ssl

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

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

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Apache

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

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

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

org.eclipse.jetty.toolchain.jetty-schemas

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Assorted

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man/bitstring.3bsd
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src/arc4random_openbsd.h
src/arc4random_uniform.c
src/arc4random_unix.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
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1.3104 audit 2.6.7 2

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1.3126 zlib 3.1.2-2.1ubuntu1.1

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1.3127 cassandra-driver-core 3.5.0

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