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1.1126 spring-boot-admin-server-ui 2.0.2

1.1 protocol-buffers 3.7.1

1.2 at 3.1.13 24.el7
1.2.1 Available under license :
   This is the Debian GNU/Linux prepackaged version of the deferred
   execution scheduler called at.

   This package was debianized by its author Thomas Koenig
   <ig25@rz.uni-karlsruhe.de>, taken over and re-packaged first by Martin
   Schulze <joey@debian.org> and then by Siggy Brentrup <bsb@winnegan.de>,
   and then taken over by Ryan Murray <rmurray@debian.org>.

   In August 2009 the upstream development and Debian packaging were taken over
   by Ansgar Burchardt <ansgar@debian.org> and Cyril Brulebois <kibi@debian.org>.

   This may be considered the experimental upstream source, and since there
   doesn't seem to be any other upstream source, the only upstream source.

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For the server\util_md5.c component:

/***************************************************************************
* NCSA HTTPd Server
* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*
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For the test\zb.c component:

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

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Michael Campanella (campanella@stevms.enet.dec.com)
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1.4 json-java 20131018
1.5 rsync 3.1.2-6.el7_6.1

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1.8 kafka-streams 1.0.1

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1.17 apache-log4j 1.2.17

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the
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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.
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6. As an exception to the Sections above, you may also combine or
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

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

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1.19 opensaml-messaging-impl 3.3.0

1.20 sto-trust 7-20181115212006

1.20.1 Available under license :

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1.23 ntp 4.2.8p12-5.el7.0atomix1

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#include <pwd.h>
#include <grp.h>
#include "system.h"
#include "chown-core.h"
#include "error.h"
#include "ignore-value.h"
#include "quote.h"
#include "root-dev-ino.h"
#include "xfts.h"

#define FTSENT_IS_DIRECTORY(E)\
  ((E)->fts_info == FTS_D\
  || (E)->fts_info == FTS_DC\
  || (E)->fts_info == FTS_DP\
  || (E)->fts_info == FTS_DNR)

enum RCH_status
{
  /* we called fchown and close, and both succeeded */
  RC_ok = 2,

  /* required_uid and/or required_gid are specified, but don't match */
  RC_excluded,

  /* SAME_INODE check failed */
  RC_inode_changed,

  /* open/fchown isn't needed, isn't safe, or doesn't work due to 
   permissions problems; fall back on chown */
  RC_do_ordinary_chown,

  /* open, fstat, fchown, or close failed */
  RC_error
};

extern void
chopt_init (struct Chown_option *chopt)
{
  chopt->verbosity = V_off;
  chopt->root_dev_ino = NULL;
  chopt->affect_symlink_referent = true;
  chopt->recurse = false;
  chopt->force_silent = false;
  chopt->user_name = NULL;
  chopt->group_name = NULL;
}

extern void
chopt_free (struct Chown_option *chopt _GL_UNUSED)
{
/* Deliberately do not free chopt->user_name or ->group_name. They're not always allocated. */
}

/* Convert the numeric group-id, GID, to a string stored in xmalloc'd memory, and return it. If there's no corresponding group name, use the decimal representation of the ID. */

extern char *
gid_to_name (gid_t gid)
{
    char buf[INT_BUFSIZE_BOUND (intmax_t)];
    struct group *grp = getgrgid (gid);
    return xstrdup (grp ? grp->gr_name :
                      TYPE_SIGNED (gid_t) ? imaxtostr (gid, buf) :
                      umaxtostr (gid, buf));
}

/* Convert the numeric user-id, UID, to a string stored in xmalloc'd memory, and return it. If there's no corresponding user name, use the decimal representation of the ID. */

extern char *
uid_to_name (uid_t uid)
{
    char buf[INT_BUFSIZE_BOUND (intmax_t)];
    struct passwd *pwd = getpwuid (uid);
    return xstrdup (pwd ? pwd->pw_name :
                     TYPE_SIGNED (uid_t) ? imaxtostr (uid, buf) :
                     umaxtostr (uid, buf));
}

/* Allocate a string representing USER and GROUP. */

static char *
user_group_str (char const *user, char const *group)
{
    char *spec = NULL;
    if (user)
    {
        if (group)
        {
            spec = xmalloc (strlen (user) + 1 + strlen (group) + 1);
            stpcpy (stpcpy (stpcpy (spec, user), ":"), group);
        }
        else
        {

    }
spec = xstrdup (user);

else if (group)
{
    spec = xstrdup (group);
}

return spec;

/* Tell the user how/if the user and group of FILE have been changed.
   If USER is NULL, give the group-oriented messages.
   CHANGED describes what (if anything) has happened. */

static void
describe_change (const char *file, enum Change_status changed,
                 char const *old_user, char const *old_group,
                 char const *user, char const *group)
{
    const char *fmt;
    char *old_spec;
    char *spec;

    if (changed == CH_NOT_APPLIED)
    {
        printf (_("neither symbolic link %s nor referent has been changed\n"),
                quote (file));
        return;
    }

    spec = user_group_str (user, group);
    old_spec = user_group_str (user ? old_user : NULL, group ? old_group : NULL);

    switch (changed)
    {
    case CH_SUCCEEDED:
        fmt = (user ? _("changed ownership of %s from %s to %s\n")
                   : group ? _("changed group of %s from %s to %s\n")
                   : _("no change to ownership of %s\n"));
        break;
    case CH_FAILED:
        if (old_spec)
        {
            fmt = (user ? _("failed to change ownership of %s from %s to %s\n")
                       : group ? _("failed to change group of %s from %s to %s\n")
                       : _("failed to change ownership of %s\n"));
        }
        break;
    
    
}
else
{
  fmt = (user ? \("\text{failed to change ownership of } \%s \text{ to } \%s \text{\n}\)"
       : group ? \("\text{failed to change group of } \%s \text{ to } \%s \text{\n}\)"
       : \("\text{failed to change ownership of } \%s \text{\n}\));
  free (old_spec);
  old_spec = spec;
  spec = NULL;
}
break;
case CH_NO_CHANGE_REQUESTED:
  fmt = (user ? \("\text{ownership of } \%s \text{ retained as } \%s \text{\n}\)"
       : group ? \("\text{group of } \%s \text{ retained as } \%s \text{\n}\)"
       : \("\text{ownership of } \%s \text{ retained}\)"
   );
  break;
default:
  abort ();
}
printf (fmt, quote (file), old_spec, spec);
free (old_spec);
free (spec);
}

/* Change the owner and/or group of the FILE to UID and/or GID (safely)
   only if REQUIRED_UID and REQUIRED_GID match the owner and group IDs
   of FILE.  ORIG_ST must be the result of 'stat'ing FILE.

   The 'safely' part above means that we can't simply use chown(2),
   since FILE might be replaced with some other file between the time
   of the preceding stat/lstat and this chown call.  So here we open
   FILE and do everything else via the resulting file descriptor.
   We first call lstat and verify that the dev/inode match those from
   the preceding stat call, and only then, if appropriate (given the
   required_uid and required_gid constraints) do we call fchown.

   Return RC_do_ordinary_chown if we can't open FILE, or if FILE is a
   special file that might have undesirable side effects when opening.
   In this case the caller can use the less-safe ordinary chown.

   Return one of the RCH_status values.  */

static enum RCH_status
restricted_chown (int cwd_fd, char const *file,
                struct stat const *orig_st,
                uid_t uid, gid_t gid,
                uid_t required_uid, gid_t required_gid)
enum RCH_status status = RC_ok;
struct stat st;
int open_flags = O_NONBLOCK | O_NOCTTY;
int fd;

if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1)
    return RC_do_ordinary_chown;

if (! S_ISREG (orig_st->st_mode))
{
    if (S_ISDIR (orig_st->st_mode))
        open_flags |= O_DIRECTORY;
    else
        return RC_do_ordinary_chown;
}

fd = openat (cwd_fd, file, O_RDONLY | open_flags);
if (! (0 <= fd
    || (errno == EACCES && S_ISREG (orig_st->st_mode)
        && 0 <= (fd = openat (cwd_fd, file, O_WRONLY | open_flags)))))
    return (errno == EACCES ? RC_do_ordinary_chown : RC_error);

if (fstat (fd, &st) != 0)
    status = RC_error;
else if (! SAME_INODE (*orig_st, st))
    status = RC_inode_changed;
else if ((required_uid == (uid_t) -1 || required_uid == st.st_uid)
    && (required_gid == (gid_t) -1 || required_gid == st.st_gid))
{
    if (fchown (fd, uid, gid) == 0)
    {
        status = (close (fd) == 0
            ? RC_ok : RC_error);
        return status;
    }
    else
    {
        status = RC_error;
    }
}

int saved_errno = errno;
close (fd);
errno = saved_errno;
return status;
}
/* Change the owner and/or group of the file specified by FTS and ENT to UID and/or GID as appropriate.
If REQUIRED_UID is not -1, then skip files with any other user ID.
If REQUIRED_GID is not -1, then skip files with any other group ID.
CHOPT specifies additional options.
Return true if successful. */
static bool
change_file_owner (FTS *fts, FTSENT *ent,
    uid_t uid, gid_t gid,
    uid_t required_uid, gid_t required_gid,
    struct Chown_option const *chopt)
{
    char const *file_full_name = ent->fts_path;
    char const *file = ent->fts_accpath;
    struct stat const *file_stats;
    struct stat_buf;
    bool ok = true;
    bool do_chown;
    bool symlink_changed = true;

    switch (ent->fts_info)
    {
    case FTS_D:
        if (chopt->recurse)
        {
            if (ROOT_DEV_INO_CHECK (chopt->root_dev_ino, ent->fts_statp))
            {
                /* This happens e.g., with "chown -R --preserve-root 0 /"
                 and with "chown -RH --preserve-root 0 symlink-to-root". */
                ROOT_DEV_INO_WARN (file_full_name);
                /* Tell fts not to traverse into this hierarchy. */
                fts_set (fts, ent, FTS_SKIP);
                /* Ensure that we do not process "/" on the second visit. */
                ignore_value (fts_read (fts));
                return false;
            }
            return true;
        }
        break;
    case FTS_DP:
        if (! chopt->recurse)
        {
            return true;
        }
        break;
    case FTS_NS:
        /* For a top-level file or directory, this FTS_NS (stat failed)
           indicator is determined at the time of the initial fts_open call.
           */
With programs like chmod, chown, and chgrp, that modify permissions, it is possible that the file in question is accessible when control reaches this point. So, if this is the first time we've seen the FTS_NS for this file, tell fts_read to stat it "again". */

if (ent->fts_level == 0 && ent->fts_number == 0)
{
    ent->fts_number = 1;
    fts_set (fts, ent, FTS_AGAIN);
    return true;
}

if (! chopt->force_silent)
    error (0, ent->fts_errno, _("cannot access %s"),
            quote (file_full_name));
ok = false;
break;

case FTS_ERR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, "%s", quote (file_full_name));
    ok = false;
    break;

case FTS_DNR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, _("cannot read directory %s"),
                quote (file_full_name));
    ok = false;
    break;

case FTS_DC:	/* directory that causes cycles */
    if (cycle_warning_required (fts, ent))
    {
        emit_cycle_warning (file_full_name);
        return false;
    }
    break;

default:
    break;
}

if (!ok)
{
    do_chown = false;
    file_stats = NULL;
}
else if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1
&& chopt->verbosity == V_off
&& ! chopt->root_dev_ino
&& ! chopt->affect_symlink_referent)
{
    do_chown = true;
    file_stats = ent->fts_statp;
}
else
{
    file_stats = ent->fts_statp;

    /* If this is a symlink and we're dereferencing them, 
    stat it to get info on the referent. */
    if (chopt->affect_symlink_referent && S_ISLNK (file_stats->st_mode))
    {
        if (fstatat (fts->fts_cwd_fd, file, &stat_buf, 0) != 0)
        {
            if (! chopt->force_silent)
                error (0, errno, _("cannot dereference %s"),
                       quote (file_full_name));
            ok = false;
        }
        file_stats = &stat_buf;
    }

do_chown = (ok
        && (required_uid == (uid_t) -1
            || required_uid == file_stats->st_uid)
        && (required_gid == (gid_t) -1
            || required_gid == file_stats->st_gid));
}

/* This happens when chown -LR --preserve-root encounters a symlink-to-/l. */
if (ok
    && FTSENT_IS_DIRECTORY (ent)
    && ROOT_DEV_INO_CHECK (chopt->root_dev_ino, file_stats))
{
    ROOT_DEV_INO_WARN (file_full_name);
    return false;
}

if (do_chown)
{
    if ( ! chopt->affect_symlink_referent)
    {
        ok = (lchownat (fts->fts_cwd_fd, file, uid, gid) == 0);
    }
/* Ignore any error due to lack of support; POSIX requires
   this behavior for top-level symbolic links with -h, and
   implies that it's required for all symbolic links. */
if (!ok && errno == EOPNOTSUPP)
{
    ok = true;
    symlink_changed = false;
}
}
else
{
    /* If possible, avoid a race condition with --from=O:G and without the
       (-h) --no-dereference option. If fts's stat call determined
       that the uid/gid of FILE matched the --from=O:G-selected
       owner and group IDs, blindly using chown(2) here could lead
       chown(1) or chgrp(1) mistakenly to dereference a *symlink*
       to an arbitrary file that an attacker had moved into the
       place of FILE during the window between the stat and
       chown(2) calls. If FILE is a regular file or a directory
       that can be opened, this race condition can be avoided safely. */

    enum RCH_status err
        = restricted_chown (fts->fts_cwd_fd, file, file_stats, uid, gid,
                            required_uid, required_gid);
    switch (err)
    {
        case RC_ok:
            break;

        case RC_do_ordinary_chown:
            ok = (chownat (fts->fts_cwd_fd, file, uid, gid) == 0);
            break;

        case RC_error:
            ok = false;
            break;

        case RC_inode_changed:
            /* FIXME: give a diagnostic in this case? */
            case RC_excluded:
                do_chown = false;
                ok = false;
                break;

        default:
            abort ();
    }
}
/* On some systems (e.g., GNU/Linux 2.4.x),
the chown function resets the 'special' permission bits.
Do *not* restore those bits; doing so would open a window in
which a malicious user, M, could subvert a chown command run
by some other user and operating on files in a directory
where M has write access. */
if (do_chown && !ok && ! chopt->force_silent)
error (0, errno, (uid != (uid_t) -1
? _("changing ownership of %s")
: _("changing group of %s")),
quote (file_full_name));
}
if (chopt->verbosity != V_off)
{
bool changed =
((do_chown && ok && symlink_changed)
&& ! ((uid == (uid_t) -1 || uid == file_stats->st_uid)
&& (gid == (gid_t) -1 || gid == file_stats->st_gid)));
if (changed || chopt->verbosity == V_high)
{
enum Change_status ch_status =
(!ok ? CH_FAILED
: !symlink_changed ? CH_NOT_APPLIED
: !changed ? CH_NO_CHANGE_REQUESTED
: CH_SUCCEEDED);
char *old_usr = file_stats ? uid_to_name (file_stats->st_uid) : NULL;
char *old_grp = file_stats ? gid_to_name (file_stats->st_gid) : NULL;
describe_change (file_full_name, ch_status,
old_usr, old_grp,
chopt->user_name, chopt->group_name);
free (old_usr);
free (old_grp);
}
}
if ( ! chopt->recurse)
fts_set (fts, ent, FTS_SKIP);
return ok;
}
/* Change the owner and/or group of the specified FILES.
BIT_FLAGS specifies how to treat each symlink-to-directory
that is encountered during a recursive traversal.

Open Source Used In NAE (version 4.1) 4.1.1.4316


CHOPT specifies additional options.
If UID is not -1, then change the owner id of each file to UID.
If GID is not -1, then change the group id of each file to GID.
If REQUIRED_UID and/or REQUIRED_GID is not -1, then change only
files with user ID and group ID that match the non(-1) value(s).
Return true if successful. */
extern bool
chown_files(char **files, int bit_flags,
uid_t uid, gid_t gid,
uid_t required_uid, gid_t required_gid,
struct Chown_option const *chopt)
{
bool ok = true;

/* Use lstat and stat only if they're needed. */
int stat_flags = ((required_uid != (uid_t) -1 || required_gid != (gid_t) -1
|||| chopt->affect_symlink_referent
|| chopt->verbosity != V_off)
? 0 :
: FTS_NOSTAT);

FTS *fts = xfts_open(files, bit_flags | stat_flags, NULL);

while (1)
{
FTSENT *ent;

ent = fts_read(fts);
if (ent == NULL)
{
if (errno != 0)
{
/* FIXME: try to give a better message */
if (! chopt->force_silent)
error(0, errno, _("fts_read failed"));
ok = false;
}
break;
}
ok &= change_file_owner(fts, ent, uid, gid,
required_uid, required_gid, chopt);
}

if (fts_close(fts) != 0)
{
error(0, errno, _("fts_close failed"));
ok = false;
}
return ok;
}

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1.33 xinclude 1.2.5

1.34 maven-resolver-provider 3.6.3

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1.36 xmlsec 1.2.20-7.el7_4
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1.39 lapack 3.4.2 8.el7

1.40 jansi 1.7

1.41 spring-boot-starter-actuator 2.0.1

1.42 javax-annotation-api 1.3.2

1.43 libsm 1.2.2 2.el7
1.43.1 Available under license:

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1.45 pythonurllib 1.10.2 7.el7
1.45.1 Available under license :

# Contributions to the urllib3 project

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## Contributors

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  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQ6/>
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* kennethreitz <me@kennethreitz.com>
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* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
* SSL fingerprint and alternative hostname verification
* Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
* Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bug fixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bug fixes

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* [Your name or handle] <[email or website]>  
  * [Brief summary of your changes]

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1.46 maven-repository-metadata 3.6.3
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src/gzip/zutil.c
src/gzip/zutil.h
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1.52 libthai 0.1.14 9.el7

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1.55 spring-data-keyvalue 2.0.6

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1.67 spring-boot-starter-websocket 2.0.1

1.68 qt 4.11.1-1e7
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 * SpanDSP - a series of DSP components for telephony
 *
 * g722_decode.c - The ITU G.722 codec, decode part.
 *
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 *
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 *
 * Based in part on a single channel G.722 codec which is:
 *
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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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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
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# Don't put empty lines into this file!
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#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
dsrt3/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF
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/*****************************************************************************/
**
C++ Big Integer Library
(see ChangeLog for version)

http://mattmccutchen.net/bigint/

Written and maintained by Matt McCutchen <matt@mattmccutchen.net>

You can use this library in a C++ program to do arithmetic on integers of size limited only by your computer's memory. The library provides BigUnsigned and BigInteger classes that represent nonnegative integers and signed integers, respectively. Most of the C++ arithmetic operators are overloaded for these classes, so big-integer calculations are as easy as:

```cpp
#include "BigIntegerLibrary.hh"

BigInteger a = 65536;
cout << (a * a * a * a * a * a * a * a);
```

(prints 340282366920938463463374607431768211456)

The code in `sample.cc' demonstrates the most important features of the library.
To get started quickly, read the code and explanations in that file and run it.
If you want more detail or a feature not shown in `sample.cc', consult the actual header and source files, which are thoroughly commented.

This library emphasizes ease of use and clarity of implementation over speed; some users will prefer GMP (http://swox.com/gmp/), which is faster. The code is intended to be reasonably portable across computers and modern C++ compilers; in particular, it uses whatever word size the computer provides (32-bit, 64-bit, or otherwise).

Compiling programs that use the library
---------------------------------------
The library consists of a folder full of C++ header files (`.hh') and source files (`.cc'). Your own programs should `#include' the necessary header files and link with the source files. A makefile that builds the sample program (`sample.cc') is included; you can adapt it to replace the sample with your own program.

Alternatively, you can use your own build system or IDE. In that case, you must put the library header files where the compiler will find them and arrange to have your program linked with the library source files; otherwise, you will get errors about missing header files or "undefined references". To learn how to do this, consult the documentation for the build system or IDE; don't bother asking me. Adding all the library files to your project will work in many IDEs but may not be the most desirable approach.
Resources
---------
The library's Web site (above) provides links to released versions, the current development version, and a mailing list for release announcements, questions, bug reports, and other discussion of the library. I would be delighted to hear from you if you like this library and/or find a good use for it.

Bugs and enhancements
---------------------
The library has been tested by me and others but is by no means bug-free. If you find a bug, please report it, whether it comes in the form of compiling trouble, a mathematically inaccurate result, or a memory-management blooper (since I use Java, these are altogether too common in my C++). I generally fix all reported bugs. You are also welcome to request enhancements, but I am unlikely to do substantial amounts of work on enhancements at this point.

Legal
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I, Matt McCutchen, the sole author of the original Big Integer Library, waive my copyright to it, placing it in the public domain. The library comes with absolutely no warranty.

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

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not
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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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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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- libpostproc
- optional x86 optimization in the files
  - `libavcodec/x86/flac_dsp_gpl.asm`
  - `libavcodec/x86/idct_mmx.c`
  - `libavfilter/x86/vf_removegrain.asm`
- the following building and testing tools
  - `compat/solaris/make_sunver.pl`
  - `doc/t2h.pm`
  - `doc/teXi2pod.pl`
  - `libs/whresample/swresample-test.c`
  - `tests/checkasm/*`
  - `tests/tiny_ssim.c`
- the following filters in libavfilter:
  - `vf_blackframe.c`
  - `vf_boxblur.c`
  - `vf_colormatrix.c`
  - `vf_cover_rect.c`
  - `vf_cropdetect.c`
  - `vf_delogo.c`
  - `vf_eq.c`
  - `vf_find_rect.c`
  - `vf_fspp.c`
  - `vf_geq.c`
  - `vf_histeq.c`
  - `vf_hqdn3d.c`
  - `vf_interlace.c`
  - `vf_kerndeint.c`
  - `vf_mdeint.c`
  - `vf_mpdecimate.c`
  - `vf_owdenoise.c`
  - `vf_perspective.c`
- `vf_phase.c`
- `vf_pp.c`
- `vf_pp7.c`
- `vf_pullup.c`
- `vf_repeatfields.c`
- `vf_sab.c`
- `vf_smartblur.c`
- `vf_spp.c`
- `vf_stereo3d.c`
- `vf_super2xsai.c`
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- `vf_uspp.c`
- `vsr_mptestssrc.c`

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There are a handful of files under other licensing terms, namely:

* The files `libavcodec/jfdctfst.c`, `libavcodec/jfdctint_template.c` and `libavcodec/jrevdct.c` are taken from libjpeg, see the top of the files for licensing details. Specifically note that you must credit the IJG in the documentation accompanying your program if you only distribute executables. You must also indicate any changes including additions and deletions to those three files in the documentation.
* `tests/reference.pnm` is under the expat license.

## External libraries

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### Compatible libraries

The following libraries are under GPL:
- frei0r
- libcdio
- librubberband
- 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

There are certain libraries you can combine with FFmpeg whose licenses are not compatible with the GPL and/or the LGPL. If you wish to enable these libraries, even in circumstances that their license may be incompatible, pass `--enable-nonfree` to configure. This will cause the resulting binary to be unredistributable.

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http://portal.acm.org/citation.cfm?id=129906

Computer graphics and geometric modeling: implementation and algorithms
By Max K. Agoston
Springer; 1 edition (January 4, 2005)
http://books.google.com/books?q=vatti+clipping+agoston

See also:
"Polygon Offsetting by Computing Winding Numbers"
Paper no. DETC2005-85513 pp. 565-575
ASME 2005 International Design Engineering Technical Conferences
and Computers and Information in Engineering Conference (IDETC/CIE2005)
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Version 3, 29 June 2007

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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
SHARDELIBFLAGS = -fPIC
SHARDELIBCXXFLAGS = -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_SOPTIONS= -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) $<"
| sed "s/"$^{}/:/g" > $@; \
[ -s $@ ] || rm -f $@"
%.d: $(srcdir)/%.cpp
@echo "$(@) generating dependency information for $<"
@$(SHELL) -ec "$(@) $(GEN_DEPS.cc) $<"
| sed "s/"$^{}/:/g" > $@; \
[ -s $@ ] || rm -f $@"

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s *$F$.$(SO).$(SO_TARGET_VERSION) $@

## Bind internal references

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

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

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

## End BSD-specific setup

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/*
* $Id: pa_memorybarrier.h 1240 2007-07-17 13:05:07Z bjornroche $ 
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* Memory barrier utilities
*
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/*
* $Id: pa_ringbuffer.c 1421 2009-11-18 16:09:05Z bjornroche $
* Portable Audio I/O Library
* Ring Buffer utility.
* Author: Phil Burk, http://www.softsynth.com
* modified for SMP safety on Mac OS X by Bjorn Roche
* modified for SMP safety on Linux by Leland Lucius
* also, allowed for const where possible
* modified for multiple-byte-sized data elements by Sven Fischer
*
* Note that this is safe only for a single-thread reader and a
* single-thread writer.
*
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Mesa 3-D graphics library
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The code in this library is an extension of Bala Vatti's clipping algorithm:
"A generic solution to polygon clipping"
http://portal.acm.org/citation.cfm?id=129906

Computer graphics and geometric modeling: implementation and algorithms
By Max K. Agoston
Springer; 1 edition (January 4, 2005)
http://books.google.com/books?q=vatti+clipping+agoston

See also:
"Polygon Offsetting by Computing Winding Numbers"
Paper no. DETC2005-85513 pp. 565-575
ASME 2005 International Design Engineering Technical Conferences
and Computers and Information in Engineering Conference (IDETC/CIE2005)
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(c) Dean McNamee <dean@gmail.com>, 2012.
C++ port by Konstantin Kfer <mail@kkaefer.com>, 2014.

https://github.com/deanm/css-color-parser-js
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The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by L. Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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enhancements to mutexes;
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re-implemented pthread_once (version 2)
(pthread_once cancellation added by rpj).
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reimplemented pthread_once with the same form as described by A. Terekhov (later version 2);
implementation of MCS (Mellor-Crummey/Scott) locks.
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2.3. Modified Software
Licensee may create bug-fixes, error corrections, patches or modifications to the Licensed Software ("Modified Software"). Such Modified Software may break the source or binary compatibility with the Licensed Software (including without limitation through changing the application programming interfaces ("API") or by adding, changing or deleting any variable, method, or class signature in the Licensed Software and/or any inter-process protocols, services or standards in the Licensed Software libraries). To the extent that Licensee's Modified Software so breaks source or binary compatibility with the Licensed Software, Licensee acknowledges that The Qt Company's ability to provide Support may be prevented or limited and Licensee's ability to make use of Updates may be restricted.

Licensee may, at its sole and absolute discretion, choose to submit Modified Software to The Qt Company ("Submitted Modified Software") in connection with Licensee's Support request, service request or otherwise. In the event Licensee does so, then, Licensee hereby grants The Qt Company a sublicensable, assignable, irrevocable, perpetual, worldwide, non-exclusive, royalty-free and fully paid-up license, under all of Licensee's Intellectual Property Rights,
to reproduce, adapt, translate, modify, and prepare derivative works of, publicly display, publicly perform, sublicense, make available and distribute such Submitted Modified Software as The Qt Company sees fit at its free and absolute discretion.

3. LICENSES GRANTED

3.1. Development with Licensed Software
Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable license, valid for the License Term, to use, modify and copy the Licensed Software by Designated Users on the Development Platforms for the sole purposes of designing, developing, demonstrating and testing Application(s) and/or Devices, and to provide thereto related support and other related services to end-user Customers.

Licensee may install copies of the Licensed Software on five (5) computers per Designated User, provided that only the Designated Users who have a valid Development License may use the Licensed Software.

Licensee may at any time designate another Designated User to replace a then-current Designated User by notifying The Qt Company in writing, provided that any Designated User may be replaced only once during any six-month period.

Upon expiry of the initially agreed License Term, the respective License Terms shall be automatically extended to one or more Renewal Term(s), unless and until either Party notifies the other Party in writing that it does not wish to continue the License Term, such notification to be provided to the other Party no less than ninety (90) days before expiry of the respective License Term. Unless otherwise agreed between the Parties, Renewal Term shall be of equal length with the initial License Term.

Any such Renewal Term shall be subject to License Fees agreed between the Parties or, if no advance agreement exists, subject to The Qt Company’s standard pricing applicable at the commencement date of any such Renewal Term.

Any price or other term specified for a Renewal Term shall be valid only for the specified time.

The Qt Company may request the Licensee to place a purchase order corresponding to a quote by The Qt Company for the relevant Renewal Term.

In the event Licensee does not prevent auto-renewal pursuant the above, but a Renewal Term is nevertheless not duly ordered within 30 days from the date of the respective quote from The Qt Company and/or the respective License Fee paid by due date specified in The Qt Company’s respective invoice, The Qt Company shall apply a reinstatement fee equal to ten percent (10%) of the total value of the License Fees of the Development Licenses for the expired term to be added to the License Fee of the respective Renewal Term.
In the event Licensee chooses not to renew a Development License for a Renewal Term by notifying The Qt Company thereof no less than ninety (90) days before expiry of the respective License Term, Licensee may still reinstate such expired Development Licenses for a Renewal Term subject to applicable renewal Term License Fees until thirty (30) days from the expiry of the initially agreed License Term or preceding Renewal Term. After such thirty (30) day period a Development License shall be subject to applicable License Fees for a new Development License and not any Renewal Term License Fees.

3.2. Distribution of Applications
Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable, revocable (for cause pursuant to this Agreement) right and license, valid for the Term, to
(i) distribute, by itself or through its Contractors, Redistributables as installed, incorporated or integrated into Applications for execution on the Deployment Platforms, and
(ii) grant sublicenses to Redistributables, as distributed hereunder, for Customers solely for Customer's internal use and to the extent necessary in order for the Customers to use the Applications for their respective intended purposes.

Right to distribute the Redistributables as part of an Application as provided herein is not royalty-bearing but is conditional upon the Licensee not having any unpaid License Fees for Development Licenses owed to The Qt Company at the time of distribution of any Redistributables to Customers.

3.3. Distribution of Devices
Subject to the terms of this Agreement, The Qt Company grants to Licensee a worldwide, non-exclusive, non-transferable, revocable (for cause pursuant to this Agreement) right and license, valid for the Term, to
(i) distribute, by itself or through one or more tiers of Contractors, Redistributables as installed, incorporated or integrated, or intended to be installed, incorporated or integrated into Devices for execution on the Deployment Platforms, and
(ii) grant sublicenses to Redistributables, as distributed hereunder, for Customers solely for Customer's internal use and to the extent necessary in order for the Customers to use the Devices for their respective intended purposes.

Right to distribute the Redistributables with Devices as provided herein is conditional upon the Licensee (i) not having any unpaid License Fees for Development Licenses owed to The Qt Company, and (ii) having purchased and paid corresponding Distribution Licenses at the time of distribution of any Redistributables to Customers.

3.4. Further Requirements
The licenses granted above in this Section 3 by The Qt Company to Licensee are conditional and subject to Licensee's compliance with the following terms:
(i) Licensee shall not remove or alter any copyright, trademark or other proprietary rights notice(s) contained in any portion of the Licensed Software;

(ii) Applications must add primary and substantial functionality to the Licensed Software so as not to compete with the Licensed Software;

(iii) Applications may not pass on functionality which in any way makes it possible for others to create software with the Licensed Software; provided however that Licensee may use the Licensed Software's scripting and QML ("Qt Quick") functionality solely in order to enable scripting, themes and styles that augment the functionality and appearance of the Application(s) without adding primary and substantial functionality to the Application(s);

(iv) Licensee shall not use Licensed Software in any manner or for any purpose that infringes, misappropriates or otherwise violates any Intellectual property or right of any third party, or that violates any applicable law;

(v) Licensee shall not use The Qt Company's or any of its suppliers' names, logos, or trademarks to market Applications, except that Licensee may use "Built with Qt" logo to indicate that Application(s) was developed using the Licensed Software;

(vi) Licensee shall not distribute, sublicense or disclose source code of Licensed Software to any third party (provided however that Licensee may appoint employee(s) of Contractors as Designated Users to use Licensed Software pursuant to this Agreement). Such right may be available for the Licensee subject to a separate software development kit ("SDK") license agreement to be concluded with The Qt Company;

(vii) Licensee shall not grant the Customers a right to (i) make copies of the Redistributables except when and to the extent required to use the Applications and/or Devices for their intended purpose, (ii) modify the Redistributables or create derivative works thereof, (iii) decompile, disassemble or otherwise reverse engineer Redistributables, or (iv) redistribute any copy or portion of the Redistributables to any third party, except as part of the onward sale of the Device on which the Redistributables are installed;

(viii) Licensee shall not and shall cause that its Affiliates or Contractors shall not use Licensed Software in any Prohibited Combination, unless Licensee has received an advance written permission from The Qt Company to do so. Absent such written permission, any and all distribution by the Licensee during the Term of a hardware device or product a) which incorporate or integrate any part of Licensed Software or Open Source Qt; or b) where the main user interface or substantial functionality is provided by software built with Licensed Software or Open Source Qt or otherwise depends on the Licensed Software or Open Source Qt, shall be considered to be Device distribution under this Agreement and shall be dependent on Licensee's compliance thereof.
(including but not limited to obligation to pay applicable License Fees for such distribution). Notwithstanding what is provided above in this sub-section (viii), Licensee is entitled to use and combine Qt 3D Studio and/or Qt Design Studio with Open Source Qt ("Permitted Combination") for its internal evaluation purposes, provided that Licensee shall in no way transfer, publish, disclose, display or otherwise make available any software or work resulting from such Permitted Combination;

(ix) Licensee shall cause all of its Affiliates and Contractors entitled to make use of the licenses granted under this Agreement, to be contractually bound to comply with the relevant terms of this Agreement and not to use the Licensed Software beyond the terms hereof and for any purposes other than operating within the scope of their services for Licensee. Licensee shall be responsible for any and all actions and omissions of its Affiliates and Contractors relating to the Licensed Software and use thereof (including but not limited to payment of all applicable License Fees);

(x) Except when and to the extent explicitly provided in this Section 3, Licensee shall not transfer, publish, disclose, display or otherwise make available the Licensed Software; and

(xi) Licensee shall not attempt or enlist a third party to conduct or attempt to conduct any of the above.

Above terms shall not be applicable if and to the extent they conflict with any mandatory provisions of any applicable laws.

Any use of Licensed Software beyond the provisions of this Agreement is strictly prohibited and requires an additional license from The Qt Company.

4. THIRD-PARTY SOFTWARE
The Licensed Software may provide links to third party libraries or code (collectively "Third-Party Software") to implement various functions.

Third-Party Software does not comprise part of the Licensed Software. In some cases, access to Third-Party Software may be included with the Licensed Software. Such Third-Party Software will be listed in the "/src/3rdparty" source tree delivered with the Licensed Software or documented in the Licensed Software, as such may be amended from time to time. Licensee acknowledges that use or distribution of Third-Party Software is in all respects subject to applicable license terms of applicable third-party right holders.

5. PRE-RELEASE CODE
The Licensed Software may contain pre-release code and functionality, or sample code marked or otherwise stated with appropriate designation such as "Technology Preview", "Alpha", "Beta", "Sample" etc. ("Pre-Release Code").

Such Pre-Release Code may be present complimentary for the Licensee, in order to provide experimental support or information for new platforms or preliminary versions of one or more new functionalities or for other similar reasons. The
Pre-Release Code may not be at the level of performance and compatibility of a final, generally available, product offering. The Pre-Release Code may not operate correctly, may contain errors and may be substantially modified by The Qt Company prior to the first commercial product release, if any. The Qt Company is under no obligation to make Pre-Release Code commercially available, or provide any Support or Updates relating thereto. The Qt Company assumes no liability whatsoever regarding any Pre-Release Code, but any use thereof is exclusively at Licensee’s own risk and expense.

For clarity, unless Licensed Software specifies different license terms for the respective Pre-Release Code, the Licensee is entitled to use such pre-release code pursuant to Section 3, just like other Licensed Software, provided however that in the event Add-on Products are included and available as such Pre-Release Code, Licensee’s right to use such Add-on Products is nevertheless subject to and conditional upon conclusion of separate agreement with The Qt Company.

6. LIMITED WARRANTY AND WARRANTY DISCLAIMER
The Qt Company hereby represents and warrants that it has the power and authority to grant the rights and licenses granted to Licensee under this Agreement.

Except as set forth above, the Licensed Software is licensed to Licensee “as is” and Licensee’s exclusive remedy and The Qt Company’s entire liability for errors in the Licensed Software shall be limited, at The Qt Company’s option, to correction of the error, replacement of the Licensed Software or return of the applicable fees paid for the defective Licensed Software for the time period during which the License is not able to utilize the Licensed Software under the terms of this Agreement.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE QT COMPANY ON BEHALF OF ITSELF AND ITS LICENSORS, SUPPLIERS AND AFFILIATES, DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT WITH REGARD TO THE LICENSED SOFTWARE. THE QT COMPANY DOES NOT WARRANT THAT THE LICENSED SOFTWARE WILL SATISFY LICENSEE’S REQUIREMENTS OR THAT IT WILL OPERATE WITHOUT DEFECT OR ERROR OR THAT THE OPERATION THEREOF WILL BE UNINTERRUPTED.

7. INDEMNIFICATION AND LIMITATION OF LIABILITY
7.1. Limitation of Liability
EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY LOSS OF PROFIT, LOSS OF DATA, LOSS OF BUSINESS OR GOODWILL OR ANY OTHER INDIRECT, SPECIAL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE COST, DAMAGES OR EXPENSE OF ANY KIND, HOWSOEVER ARISING UNDER OR IN CONNECTION WITH THIS AGREEMENT.
EXCEPT FOR (I) CASES OF GROSS NEGLIGENCE OR INTENTIONAL MISCONDUCT, AND (II) BREACH OF CONFIDENTIALITY, AND TO THE EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL EITHER PARTY’S TOTAL AGGREGATE LIABILITY UNDER THIS AGREEMENT EXCEED THE AGGREGATE LICENSE FEES PAID OR PAYABLE TO THE QT COMPANY FROM LICENSEE DURING THE PERIOD OF TWELVE (12) MONTHS IMMEDIATELY PRECEDING THE EVENT RESULTING IN SUCH LIABILITY.

THE PROVISIONS OF THIS SECTION 7 ALLOCATE THE RISKS UNDER THIS AGREEMENT BETWEEN THE QT COMPANY AND LICENSEE AND THE PARTIES HAVE RELIED UPON THE LIMITATIONS SET FORTH HEREIN IN DETERMINING WHETHER TO ENTER INTO THIS AGREEMENT.

NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THIS AGREEMENT, LICENSEE SHALL ALWAYS BE LIABLE TO PAY THE APPLICABLE LICENSE FEES CORRESPONDING TO ITS ACTUAL USE OF LICENSED SOFTWARE.

8. SUPPORT, UPDATES AND ONLINE SERVICES
Upon due payment of the agreed License Fees the Licensee will be eligible to receive Support and Updates and to use the Online Services during the License Term, provided, however, that in the event the License Term is longer than 36 months, the initial payment includes Support for only the first 12 months, unless the Parties specifically otherwise agree.

Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be included in the Support but may be available subject to additional fees.

From time to time The Qt Company may change the Support terms, provided that during the respective ongoing License Term the level of Support provided by The Qt Company may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to Customers.

9. CONFIDENTIALITY
Each Party acknowledges that during the Term of this Agreement each Party may receive information about the other Party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the
Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.

The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade secrets, for so long as such trade secrets are protected under applicable trade secret laws.

10. FEES, DELIVERY AND PAYMENT

10.1. License Fees
License Fees are described in The Qt Company's standard price list, quote or Purchase Order confirmation or in an appendix hereto, as the case may be.

The License Fees shall not be refunded or claimed as a credit in any event or for any reason whatsoever.

10.2. Ordering Licenses
Licensee may purchase Development Licenses and Distribution Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase. Unless specifically otherwise provided, any pricing terms referenced in this Agreement shall be valid for twelve (12) months from the date of this Agreement.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the Parties.
10.3. Distribution License Packs
Unless otherwise agreed, Distribution Licenses shall be purchased by way of
Distribution License Packs.

Upon due payment of the ordered Distribution License Pack(s), the Licensee will
have an account of Distribution Licenses available for distributing the
Redistributables in accordance with this Agreement.

Each time Licensee distributes a copy of Redistributables, then one
Distribution License is used, and Licensee's account of available Distribution
Licenses is decreased accordingly. Licensee may distribute copies of the
Redistributables so long as Licensee has Distribution Licenses remaining on
its account.

10.4. Payment Terms
License Fees and any other charges under this Agreement shall be paid by
Licensee no later than thirty (30) days from the date of the applicable
invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this
Agreement and/or after The Qt Company receives a Purchase Order from Licensee.

A late payment charge of the lower of (a) one percent per month; or (b) the
interest rate stipulated by applicable law, shall be charged on any unpaid
balances that remain past due.

10.5. Taxes
All License Fees and other charges payable hereunder are gross amounts but
exclusive of any value added tax, use tax, sales tax, withholding tax and other
taxes, duties or tariffs ("Taxes") levied directly for the sale, delivery or
use of Licensed Software hereunder pursuant to any applicable law. Such
applicable Taxes shall be paid by Licensee to The Qt Company, or, where
applicable, in lieu of payment of such Taxes to The Qt Company, Licensee shall
provide an exemption certificate to The Qt Company and any applicable authority.

11. RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS
11.1. Licensee's Record-keeping
Licensee shall at all times during the Term of this Agreement and for a period
of seven (7) years thereafter maintain Licensee's Records in an accurate and
up-to-date form. Licensee's Records shall be adequate to reasonably enable The
Qt Company to determine Licensee's compliance with the provisions of this
Agreement. The records shall conform to general good accounting practices.

Licensee shall, within thirty (30) days from receiving The Qt Company's request
to that effect, deliver to The Qt Company a report based on Licensee's Records,
such report to contain information, in sufficient detail, on (i) number and
identity of users working with Licensed Software or Open Source Qt, (ii) copies
of Redistributables distributed by Licensee during the most recent calendar
quarter and/or any other term specified by The Qt Company, (iii) number of undistributed copies of Redistributables and corresponding number of unused Distribution Licenses remaining on Licensee's account, and (iv) any other information as The Qt Company may reasonably require from time to time.

11.2. The Qt Company's Audit Rights
The Qt Company or an independent auditor acting on behalf of The Qt Company's, may, upon at least five (5) business days' prior written notice and at its expense, audit Licensee with respect to the Licensee's use of the Licensed Software, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records and conduct necessary interviews of Licensee's relevant employees and Contractors. All such Licensee's Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee agrees to pay The Qt Company any amounts owed for such unauthorized use within 30 days from receipt of the corresponding invoice from The Qt Company. In addition, in the event the audit reveals a material violation of the terms of this Agreement (without limitation, either (i) underpayment of more than 10 % of License Fees or 10,000 euros (whichever is more) or (ii) distribution of products, which include or result from Prohibited Combination, shall be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12. TERM AND TERMINATION
12.1. Agreement Term
This Agreement shall enter into force upon due acceptance by both Parties and remain in force for as long as there is any Development License(s) purchased under this Agreement in force ("Term"), unless and until terminated pursuant to the terms of this Section 12.

12.2. Termination and suspension of rights
Either Party shall have the right to terminate this Agreement upon thirty (30) days prior written notice if the other Party commits a material breach of any obligation of this Agreement and fails to remedy such breach within such notice period.

Instead of termination, The Qt Company shall have the right to suspend or withhold grants of all rights to the Licensed Software hereunder, including but not limited to the Development Licenses, Distribution License, and Support, should Licensee fail to make payment in timely fashion or otherwise violates or is reasonably suspected to violate its obligations or terms of this Agreement,
and where such violation or breach is not cured within five (5) business days following The Qt Company's written notice thereof.

12.3. Mutual Right to Terminate
Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4. Parties Rights and Duties upon Termination
Upon expiry or termination of the Agreement, Licensee shall cease and shall cause all Designated Users (including those of its Affiliates' and Contractors') to cease using the Licensed Software and distribution of the Redistributables under this Agreement.

Notwithstanding the above, in the event the Agreement expires or is terminated:
(i) as a result of The Qt Company choosing not to renew the Development License(s) as set forth in Section 3.1, then all valid licenses possessed by the Licensee at such date shall be extended to be valid in perpetuity under the terms of this Agreement and Licensee is entitled to purchase additional licenses as set forth in Section 10.2; or
(ii) for reason other than by The Qt Company pursuant to item (i) above or pursuant to Section 12.2, then the Licensee is entitled, for a period of six (6) months after the effective date of termination, to continue distribution of Devices under the Distribution Licenses paid but unused at such effective date of termination.

Upon any such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Expire or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee shall immediately pay to The Qt Company all such fees upon the effective date of termination. Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

12.5. Extension in case of bankruptcy
In the event The Qt Company is declared bankrupt under a final, non-cancellable decision by relevant court of law, and this Agreement is not, at the date of
expiry of the Development License(s) pursuant to Section 3.1, assigned to
party, who has assumed The Qt Company's position as a legitimate licensor of
Licensed Software under this Agreement, then all valid licenses possessed by
the Licensee at such date of expiry, and which the Licensee has not notified
for expiry, shall be extended to be valid in perpetuity under the terms of this
Agreement.

13. GOVERNING LAW AND LEGAL VENUE
In the event this Agreement is in the name of The Qt Company Inc., a Delaware
Corporation, then:
(i) this Agreement shall be construed and interpreted in accordance
with the laws of the State of California, USA, excluding its choice
of law provisions;
(ii) the United Nations Convention on Contracts for the International
Sale of Goods will not apply to this Agreement; and
(iii) any dispute, claim or controversy arising out of or relating to
this Agreement or the breach, termination, enforcement,
interpretation or validity thereof, including the determination of
the scope or applicability of this Agreement to arbitrate, shall
be determined by arbitration in San Francisco, USA, before one
arbitrator. The arbitration shall be administered by JAMS pursuant
to JAMS' Streamlined Arbitration Rules and Procedures. Judgment on
the Award may be entered in any court having jurisdiction. This
Section shall not preclude parties from seeking provisional
remedies in aid of arbitration from a court of appropriate
jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish
Company, then:
(i) this Agreement shall be construed and interpreted in accordance
with the laws of Finland, excluding its choice of law provisions;
(ii) the United Nations Convention on Contracts for the International
Sale of Goods will not apply to this Agreement; and
(iii) any disputes, controversy or claim arising out of or relating to
this Agreement, or the breach, termination or validity thereof
shall be finally settled by arbitration in accordance with the
Arbitration Rules of Finland Chamber of Commerce. The arbitration
tribunal shall consist of one (1), or if either Party so requires,
of three (3), arbitrators. The award shall be final and binding and
enforceable in any court of competent jurisdiction. The arbitration
shall be held in Helsinki, Finland and the process shall be
conducted in the English language. This Section shall not preclude
parties from seeking provisional remedies in aid of arbitration
from a court of appropriate jurisdiction.

14. GENERAL PROVISIONS
14.1. No Assignment
Except in the case of a merger or sale of substantially all of its corporate
assets, Licensee shall not be entitled to assign or transfer all or any of its rights, benefits and obligations under this Agreement without the prior written consent of The Qt Company, which shall not be unreasonably withheld or delayed. The Qt Company shall be entitled to freely assign or transfer any of its rights, benefits or obligations under this Agreement.

14.2. No Third-Party Representations
Licensee shall make no representations or warranties concerning the Licensed Software on behalf of The Qt Company. Any representation or warranty Licensee makes or purports to make on The Qt Company's behalf shall be void as to The Qt Company.

14.3. Surviving Sections
Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive. Such sections include especially the following: 1, 2, 6, 7, 9, 11, 12.4, 13 and 14.

14.4. Entire Agreement
This Agreement, the exhibits hereto, the License Certificate and any applicable Purchase Order accepted by The Qt Company constitute the complete agreement between the Parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein.

In the event of any conflict or inconsistency between this Agreement and any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

Parties specifically acknowledge and agree that this Agreement prevails over any click-to-accept or similar agreements the Designated Users may need to accept online upon download of the Licensed Software, as may be required by The Qt Company's applicable processes relating to Licensed Software.

14.5. Modifications
No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee's Purchase Order ("Deviating Terms") shall apply unless The Qt Company has expressly agreed such Deviating Terms in writing. Unless and to the extent expressly agreed by The Qt Company, any such Deviating Terms shall be deemed void and with no legal effect. For clarity, delivery of the Licensed Software following the receipt of the Purchase Order including Deviating Terms shall not constitute acceptance of such Deviating Terms.

14.6. Force Majeure
Except for the payment obligations hereunder, neither Party shall be liable to the other for any delay or non-performance of its obligations hereunder in the event and to the extent that such delay or non-performance is due to an event
of act of God, terrorist attack or other similar unforeseeable catastrophic event that prevents either Party for fulfilling its obligations under this Agreement and which such Party cannot avoid or circumvent ("Force Majeure Event"). If the Force Majeure Event results in a delay or non-performance of a Party for a period of three (3) months or longer, then either Party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other Party.

14.7. Notices
Any notice given by one Party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving Party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified for each Party on the signature page. Each communication and document made or delivered by one Party to the other Party pursuant to this Agreement shall be in the English language.

14.8. Export Control
Licensee acknowledges that the Redistributables, as incorporated in Applications or Devices, may be subject to export control restrictions under the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all laws and regulations relating to the Redistributables and exercise of licenses hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9. No Implied License
There are no implied licenses or other implied rights granted under this Agreement, and all rights, save for those expressly granted hereunder, shall remain with The Qt Company and its licensors. In addition, no licenses or immunities are granted to the combination of the Licensed Software with any other software or hardware not delivered by The Qt Company under this Agreement.

14.10. Attorney Fees
The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney's fees and costs in connection with such action.

14.11. Privacy
Licensee acknowledges and agrees that for the purpose of this Agreement, The Qt Company may collect, use, transfer and disclose personal data pertaining to Designated Users as well as any other employees and directors of the Licensee and its Contractors relevant for carrying out the intent of this Agreement. Such personal data may be collected from the Licensee or directly from the relevant individuals. The Parties acknowledge that with regard to such personal data processed hereunder, The Qt Company shall be regarded as the Data
Controller under the applicable Data Protection Legislation. The Qt Company shall process any such personal data in accordance with its privacy policies and practices, which will comply with all applicable requirements of the Data Protection Legislation.

14.12. Severability
If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

APPENDICES
The Agreement includes Appendix 1, and possibly one or more of the appendices 3-5, depending on the product(s) purchased by the Licensee, what is stated in the quote or invoice, and/or what is stated in the Licensee's License Certificate.

APPENDIX 1
The modules and/or tools that are included in the respective product - Qt for Application Development (QtAD), Qt for Device Creation (QtDC), Qt for MCUs (QtMCU), Qt 3D Studio (Qt3DS) and Qt Design Studio (QtDS) - are marked with 'X' in the below table.

Parts of the product that are permitted for distribution in object-code form only ("Redistributables") are marked with 'R' in the below table.

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### APPENDIX 3: ADDITIONS TO LICENSED SOFTWARE

In addition to what is provided under the definition of the Licensed Software, Parties agree that Licensed Software shall also include the Add-On Products of The Qt Company, as mentioned in this Appendix, if included in the quote / invoice.

The Modules and/or Tools of the Licensed Software that are included with each Add-On Product respectively are marked with 'X' in the below table. Parts of the respective Add-On Product that are permitted for distribution in object-code form only ("Redistributables") are marked with 'R' in the below table.

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APPENDIX 4: SMALL BUSINESS AND STARTUP
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III. Sections 3.2, 3.3, 8 and 10 shall be deleted.

IV. Section 3.4 shall be replaced in its entirety to read as follows:

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Version 2, June 1991
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Monty Taylor <monty.taylor@gmail.com>
* Solaris 10 + Sun Studio fixes.
* Slicing support for repeated scalar fields for the Python API.

Oleg Smolsky <oleg.smolsky@gmail.com>
* MS Visual Studio error format option.
* Detect unordered_map in stl_hash.m4.

Brian Olson <brianolson@google.com>
* gzip/zlib I/O support.

Michael Poole <mdpoole@troilus.org>
* 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.

Alexandre Vassalotti <alexandre@peadrop.com>
* 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.

William Orr <will@worrbase.com>
* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris.

Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xIC compiler build issues
* Added atomicops for AIX (POWER)

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raytrace.js contains code from the the Prototype JavaScript framework, version 1.5.0:

Prototype JavaScript framework, version 1.5.0
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dynamic_annotations
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./test/mapstaticmethods.cpp
./test/schur_real.cpp
./test/prec_inverse_4x4.cpp
./test/smallvectors.cpp
./test/redx.cpp
./test/special_numbers.cpp
./test/adjoint.cpp
./test/resize.cpp
./test/mixingtypes.cpp
./test/product_trmv.cpp
./test/sparse_solvers.cpp
./test/cholesky.cpp
./test/geo_quaternion.cpp
./test/miscmatrices.cpp
./test/stddeque.cpp
./test/integer_types.cpp
./test/product_large.cpp
./test/eigensolver_generic.cpp
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./test/geo_orthomethods.cpp
./test/array_for_matrix.cpp
./test/sparseLM.cpp
./test/upperbidiagonalization.cpp
./test/nomalloc.cpp
./test/packetmath.cpp
./test/jacobisvd.cpp
./test/geo_transformations.cpp
./testswap.cpp
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/test/stdvector.cpp
/test/nesting_ops.cpp
/test/sparse_permutations.cpp
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/test/commainitializer.cpp
/test/conservative_resize.cpp
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/test/nullary.cpp
/test/bandmatrix.cpp
/test/pastix_support.cpp
/test/product.h
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/test/vectorization_logic.cpp
/test/jacobi.cpp
/test/diagonal.cpp
/test/schur_complex.cpp
/test/sizeoverflow.cpp
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/bench/benchFFT.cpp
/bench/eig33.cpp
/bench/spbench/spbenchsolver.h
/bench/spbench/spbenchstyle.h
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/lapack/lapack_common.h
/lapack/eigenvalues.cpp
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/lapack/lu.cpp
/lapack/complex_single.cpp
/lapack/double.cpp
/demos/mix_eigen_and_c/binary_library.cpp
/demos/mix_eigen_and_c/binary_library.h
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/demos/opengl/trackball.cpp
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/demos/opengl/quaternion_demo.cpp
/debug/gdb/printers.py
/unsupported/test/minres.cpp
/unsupported/test/openglsupport.cpp
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javascript/jquery_ui
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mongoose

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objective_c/gtm_session_fetcher

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xmpmeta

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 * From: Wilco Dijkstra <Wilco.Dijkstra@ntlworld.com>
 * Date: Fri, Jun 24, 2011 at 3:20 AM
* Subject: Re: sqrt routine
* To: Kevin Ma <kma@google.com>
* Hi Kevin,
* Thanks for asking. Those routines are public domain (originally posted to
* comp.sys.arm a long time ago), so you can use them freely for any purpose.
* Cheers,
* Wilco
*
* ----- Original Message ----- 
* From: "Kevin Ma" <kma@google.com>
* To: <Wilco.Dijkstra@ntlworld.com>
* Sent: Thursday, June 23, 2011 11:44 PM
* Subject: Fwd: sqrt routine
* Hi Wilco,
* I saw your sqrt routine from several web sites, including
* http://www.finesse.demon.co.uk/steven/sqrt.html.
* Just wonder if there's any copyright information with your Successive
* approximation routines, or if I can freely use it for any purpose.
* Thanks.
* Kevin
*/

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Licensee will be eligible to receive Support and Updates and to use the Online Services during the Support Term. Unless otherwise decided by The Company at its free and absolute discretion, Upgrades will not be included in the Support but may be available subject to additional fees.

Licenses granted under this Agreement shall include a prepaid Initial Support Term.

Initial Support Term shall be automatically extended to one or more Support Renewal Term(s), unless and until either Party notifies the other Party in writing that it does not wish to continue the Support, such notification to be
provided to the other Party no less than ninety (90) days before expiry of the Initial Support Term or respective Support Renewal Term. During any such Support Renewal Term Support shall be available subject to prices and terms agreed between the Parties or, if no advance agreement exists, subject to The Qt Company's standard pricing applicable at the commencement date of any such Support Renewal Term. From time to time The Qt Company may change Support provided within each Support plan; provided that during the respective Initial Support Term or Support Renewal Term (as the case may be), the level of Support provided by The Qt Company may not be reduced without the consent of the Licensee.

Unless otherwise agreed, The Qt Company shall not be responsible for providing any service or support to the Customers.

9. CONFIDENTIALITY

Each Party acknowledges that during the Term of this Agreement each Party may receive information about the other Party's business, business methods, business plans, customers, business relations, technology, and other information, including the terms of this Agreement, that is confidential and of great value to the other Party, and the value of which would be significantly reduced if disclosed to third parties ("Confidential Information"). Accordingly, when a Party (the "Receiving Party") receives Confidential Information from the other Party (the "Disclosing Party"), the Receiving Party shall only disclose such information to employees and Contractors on a need to know basis, and shall cause its employees and employees of its Affiliates to: (i) maintain any and all Confidential Information in confidence; (ii) not disclose the Confidential Information to a third party without the Disclosing Party's prior written approval; and (iii) not, directly or indirectly, use the Confidential Information for any purpose other than for exercising its rights and fulfilling its responsibilities pursuant to this Agreement. Each Party shall take reasonable measures to protect the Confidential Information of the other Party, which measures shall not be less than the measures taken by such Party to protect its own confidential and proprietary information.

Obligation of confidentiality shall not apply to information that (i) is or becomes generally known to the public through no act or omission of the Receiving Party; (ii) was in the Receiving Party's lawful possession prior to the disclosure hereunder and was not subject to limitations on disclosure or use; (iii) is developed independently by employees or Contractors of the Receiving Party or other persons working for the Receiving Party who have not had access to the Confidential Information of the Disclosing Party, as proven by the written records of the Receiving Party; (iv) is lawfully disclosed to the Receiving Party without restrictions, by a third party not under an obligation of confidentiality; or (v) the Receiving Party is legally compelled to disclose, in which case the Receiving Party shall notify the Disclosing Party of such compelled disclosure and assert the privileged and confidential nature of the information and cooperate fully with the Disclosing Party to limit the scope of
disclosure and the dissemination of disclosed Confidential Information to the minimum extent necessary.

The obligations under this Section 9 shall continue to remain in force for a period of five (5) years after the last disclosure, and, with respect to trade secrets, for so long as such trade secrets are protected under applicable trade secret laws.

10. FEES, DELIVERY AND PAYMENT

10.1 License Fees

License Fees are described in The Qt Company's standard price list, quote or Purchase Order confirmation or in an appendix hereto, as the case may be. The License Fees shall not be refunded or claimed as a credit, even on the ground that Distribution Licenses are not used, i.e. Redistributables are not actually distributed corresponding to the Distribution Licenses purchased, or for any other reason.

10.2 Ordering Licenses

Licensee may purchase Development Licenses and Distribution Licenses pursuant to agreed pricing terms or, if no specific pricing terms have been agreed upon, at The Qt Company's standard pricing terms applicable at the time of purchase.

Licensee shall submit all purchase orders for Development Licenses and Distribution Licenses to The Qt Company by email or any other method acceptable to The Qt Company (each such order is referred to herein as a "Purchase Order") for confirmation, whereupon the Purchase Order shall become binding between the Parties.

10.3 Distribution

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Upon due payment of the ordered Distribution License Pack(s), the Licensee will have an account of Distribution Licenses available for installing, bundling or integrating (all jointly "installing") the Redistributables with the Devices or for otherwise distributing the Redistributables in accordance with this Agreement.

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License Fees and any other charges under this Agreement shall be paid by Licensee no later than thirty (30) days from the date of the applicable invoice from The Qt Company.

The Qt Company will submit an invoice to Licensee after the date of this Agreement and/or after The Qt Company receives a Purchase Order from Licensee. A late payment charge of the lower of (a) one percent per month; or (b) the interest rate stipulated by applicable law, shall be charged on any unpaid balances that remain past due.

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10.5 Taxes
All License Fees and other charges payable hereunder are gross amounts but exclusive of any value added tax, use tax, sales tax and other taxes, duties or tariffs (“Taxes”). Such applicable Taxes shall be paid by Licensee, or, where applicable, in lieu of payment of such Taxes, Licensee shall provide an exemption certificate to The Qt Company and any applicable authority.

11 RECORD-KEEPING AND REPORTING OBLIGATIONS; AUDIT RIGHTS

11.1 Licensee’s Record-keeping
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Licensee shall, within thirty (30) days from the end of each calendar quarter, deliver to The Qt Company a report detailing the number of Designated Users and copies of Redistributables distributed by Licensee during that calendar quarter, and also detailing the number of undistributed copies of Redistributables made by Licensee and remaining in its account (i.e., undistributed copies for which Distribution Licenses have been or need to be obtained from The Qt Company). Such report shall contain such other information as The Qt Company shall reasonably require from time to time.

11.2. The Qt Company's Audit Rights

The Qt Company or an independent auditor acting on behalf of The Qt Company's, may, upon at least five (5) business days' prior written notice and at its expense, audit Licensee with respect to the use of the Redistributables, but not more frequently than once during each 6-month period. Such audit may be conducted by mail, electronic means or through an in-person visit to Licensee's place of business. Any such in-person audit shall be conducted during regular business hours at Licensee's facilities and shall not unreasonably interfere with Licensee's business activities. The Qt Company or the independent auditor acting on behalf of The Qt Company shall be entitled to inspect Licensee's Records. All such Licensee's Records and use thereof shall be subject to an obligation of confidentiality under this Agreement.

If an audit reveals that Licensee is using the Licensed Software beyond scope of the licenses Licensee has paid for, Licensee agrees to immediately pay The Qt Company any amounts owed for such unauthorized use.

In addition, in the event the audit reveals a material violation of the terms of this Agreement (underpayment of more than 5% of License Fees shall always be deemed a material violation for purposes of this section), then the Licensee shall pay The Qt Company's reasonable cost of conducting such audit.

12 TERM AND TERMINATION

12.1 Term

This Agreement shall enter into force upon due acceptance by both Parties and remain in force for the Term, unless and until terminated pursuant to the terms of this Section 12.

12.2 Termination by The Qt Company

The Qt Company shall have the right to terminate this Agreement upon thirty (30) days prior written notice if (i) the Licensee is in material breach of any obligation of this Agreement and fails to remedy such breach within such notice period; (ii) or Licensee or any of its Affiliates bring a suit before any court or administrative agency or otherwise assert a claim against The Qt Company's
12.3 Mutual Right to Terminate

Either Party shall have the right to terminate this Agreement immediately upon written notice in the event that the other Party becomes insolvent, files for any form of bankruptcy, makes any assignment for the benefit of creditors, has a receiver, administrative receiver or officer appointed over the whole or a substantial part of its assets, ceases to conduct business, or an act equivalent to any of the above occurs under the laws of the jurisdiction of the other Party.

12.4 Parties Rights and Duties upon Termination

Upon expiry or termination of the Agreement for any reason, Licensee shall, within 30 days after such termination, cease and shall cause all Designated Users (including those of its Affiliates' and Contractors') and Licensee's SDK Contractors to cease using the Licensed Software and distribution of the Redistributables under this Agreement. Notwithstanding the above, in the event the Agreement expires or is terminated for reason other than by The Qt Company pursuant to Section 12.2, the Licensee is entitled, for a period of six (6) months after the effective date of termination, to continue distribution of Devices under the Distribution Licenses paid but unused at such effective date of termination.

Upon any such termination the Licensee shall destroy or return to The Qt Company all copies of the Licensed Software and all related materials and will certify the same to The Qt Company upon its request, provided however that Licensee may retain and exploit such copies of the Licensed Software as it may reasonably require in providing continued support to Customers.

Expiry or termination of this Agreement for any reason whatsoever shall not relieve Licensee of its obligation to pay any License Fees accrued or payable to The Qt Company prior to the effective date of termination, and Licensee shall immediately pay to The Qt Company all such fees upon the effective date of termination. Termination of this Agreement shall not affect any rights of Customers to continue use of Applications and Devices (and therein incorporated Redistributables).

13. GOVERNING LAW AND LEGAL VENUE

In the event this Agreement is in the name of The Qt Company Inc., a Delaware Corporation, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of the State of California, USA, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of
Goods will not apply to this Agreement; and

(iii) any dispute, claim or controversy arising out of or relating to this Agreement or the breach, termination, enforcement, interpretation or validity thereof, including the determination of the scope or applicability of this Agreement to arbitrate, shall be determined by arbitration in San Francisco, USA, before one arbitrator. The arbitration shall be administered by JAMS pursuant to JAMS' Streamlined Arbitration Rules and Procedures. Judgment on the Award may be entered in any court having jurisdiction. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

In the event this Agreement is in the name of The Qt Company Ltd., a Finnish Company, then:

(i) this Agreement shall be construed and interpreted in accordance with the laws of Finland, excluding its choice of law provisions;

(ii) the United Nations Convention on Contracts for the International Sale of Goods will not apply to this Agreement; and

(iii) any disputes, controversy or claim arising out of or relating to this Agreement, or the breach, termination or validity thereof shall be shall be finally settled by arbitration in accordance with the Arbitration Rules of Finland Chamber of Commerce. The arbitration tribunal shall consist of one (1), or if either Party so requires, of three (3), arbitrators. The award shall be final and binding and enforceable in any court of competent jurisdiction. The arbitration shall be held in Helsinki, Finland and the process shall be conducted in the English language. This Section shall not preclude parties from seeking provisional remedies in aid of arbitration from a court of appropriate jurisdiction.

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14.3 Surviving Sections

Any terms and conditions that by their nature or otherwise reasonably should survive termination of this Agreement shall so be deemed to survive.

14.4 Entire Agreement

This Agreement, the exhibits hereto, the License Certificate and any applicable Purchase Order constitute the complete agreement between the Parties and supersedes all prior or contemporaneous discussions, representations, and proposals, written or oral, with respect to the subject matters discussed herein. In the event of any conflict or inconsistency between this Agreement and any Purchase Order, the terms of this Agreement will prevail over the terms of the Purchase Order with respect to such conflict or inconsistency.

14.5 Modifications

No modification of this Agreement shall be effective unless contained in a writing executed by an authorized representative of each Party. No term or condition contained in Licensee's Purchase Order shall apply unless expressly accepted by The Qt Company in writing.

14.6 Force Majeure

Except for the payment obligations hereunder, neither Party shall be liable to the other for any delay or non-performance of its obligations hereunder in the event and to the extent that such delay or non-performance is due to an event of act of God, terrorist attack or other similar unforeseeable catastrophic event that prevents either Party for fulfilling its obligations under this Agreement and which such Party cannot avoid or circumvent ("Force Majeure Event"). If the Force Majeure Event results in a delay or non-performance of a Party for a period of three (3) months or longer, then either Party shall have the right to terminate this Agreement with immediate effect without any liability (except for the obligations of payment arising prior to the event of Force Majeure) towards the other Party.

14.7 Notices

Any notice given by one Party to the other shall be deemed properly given and deemed received if specifically acknowledged by the receiving Party in writing or when successfully delivered to the recipient by hand, fax, or special courier during normal business hours on a business day to the addresses specified for The Qt Company in the beginning of this Agreement, and for the Licensee in the Licensee's account profile. Each communication and document made or delivered by one Party to the other Party pursuant to this Agreement shall be in the English language.
14.8 Export Control
Licensee acknowledges that the Redistributables may be subject to export control restrictions under the applicable laws of respective countries. Licensee shall fully comply with all applicable export license restrictions and requirements as well as with all lawses hereunder and shall procure all necessary governmental authorizations, including without limitation, all necessary licenses, approvals, permissions or consents, where necessary for the re-exportation of the Redistributables, Applications and/or Devices.

14.9 No Implied License
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14.10 Attorney Fees
The prevailing Party in any action to enforce this Agreement shall be entitled to recover its attorney's fees and costs in connection with such action.

14.11 Severability
If any provision of this Agreement shall be adjudged by any court of competent jurisdiction to be unenforceable or invalid, that provision shall be limited or eliminated to the minimum extent necessary so that this Agreement shall otherwise remain in full force and effect and enforceable.

IN WITNESS WHEREOF, the Parties hereto, intending to be legally bound hereby, have caused this Agreement to be executed by Licensees authorized representative installing the Licensed Software and accepting the terms hereof in connection therewith.

Appendix 1

1. Parts of the Licensed Software that are permitted for distribution in object code form only ("Redistributables") under this Agreement:

- The Licensed Software's essential and add-on libraries

- The Licensed Software's configuration tool ("qtconfig")

- The Licensed Software's help tool ("Qt Assistant")

- The Licensed Software's internationalization tools ("Qt Linguist", "lupdate", "lrelease")
- The Licensed Software's QML ("Qt Quick") launcher tool ("qmlscene" and "qmlviewer")

- The Licensed Software's installer framework

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- The Licensed Software's source code and header files

- The Licensed Software's documentation

- The Licensed Software's documentation generation tool ("qdoc")

- The Licensed Software's tool for writing makefiles ("qmake")

- The Licensed Software's Meta Object Compiler ("moc")

- The Licensed Software's User Interface Compiler ("uic" or in the case of Qt Jambi: "juic")

- The Licensed Software's Resource Compiler ("rcc")

- The Licensed Software's generator (only in the case of Qt Jambi if applicable)

- The Licensed Software's parts of the IDE tool ("Qt Creator")

- The Licensed Software's Emulator

- Build scripts, recipes and other material for creating the configuration of Licensed Software and/or 3rd party components, including the reference operating system configuration delivered in conjunction with the MIT License

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# This file contains a list of people who've made non-trivial
# contribution to the Google C++ Mocking Framework project. People
# who commit code to the project are encouraged to add their names
# here. Please keep the list sorted by first names.

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https://github.com/KhronosGroup/SPIRV-Tools/commit/9fc8658ef301b0f03b2173d274c52f011b5c73e5

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/**
 esid: sec-assignment-operators-static-semantics-early-errors
 description: Minimal test
 ---*/

void 0;
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1.69 hppc 0.7.1

1.70 zstd 1.3.3+dfsg 2ubuntu1
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package cmd
func initLgpl() {
Licenses["lgpl"] = License {
Name:          "GNU Lesser General Public License",
PossibleMatches: ["lgpl", "lesser gpl", "gnu lgpl"],
Header: `This program 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 3 of the License, or
(at your option) any later version.

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cpackage cmd

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

var licenses []string

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

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

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package cmd

import (  
  "strings"  
  "time"  
  "github.com/spf13/viper"  
)

// Licenses contains all possible licenses a user can choose from.
var Licenses = make(map[string]License)

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

func init() {  
  // Allows a user to not use a license.
  Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}  
  initApache2()  
  initMit()  
  initBsdClause3()  
  initBsdClause2()  
  initGpl2()  
  initGpl3()  
  initLgpl()  
  initAgpl()  
}
// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
    // If explicitly flagged, use that.
    if userLicense != "" {
        return findLicense(userLicense)
    }

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

    // If user wants to have built-in license, use that.
    if viper.IsSet("license") {
        return findLicense(viper.GetString("license"))
    }

    // If user didn't set any license, use Apache 2.0 by default.
    return Licenses["apache"]
}

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

    return "Copyright \(year\) \(author\)"
}

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

// matchLicense compares the given a license name
// to PossibleMatches of all built-in licenses.
// It returns blank string, if name is blank string or it didn't find
// then appropriate match to name.
func matchLicense(name string) string {
    if name == "" {
        return ""
    }

    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(name, match) {
                return key
            }
        }
    }

    return ""
}

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/

package legal

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

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mgo - MongoDB driver for Go

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func initGpl3() {
    Licenses["gpl3"] = License{
        Name:            "GNU General Public License 3.0",
        PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
        Header: `This program is free software: you can redistribute it and/or modify
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func initBsdClause3() {
    Licenses["bsd"] = License{
        Name:        "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header:      "All rights reserved.
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        Name:            "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `This program is free software; you can redistribute it and/or
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    bson library for Go

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func initApache2() {
    Licenses["apache"] = License{
        Name:     "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
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package cmd

func initAgoPL() {
    Licenses["agpl"] = License{
        Name:            "GNU Affero General Public License",
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
        Header: `This program is free software: you can redistribute it and/or modify it under the terms of the GNU Affero General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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`,
        Text: `                    GNU AFFERO GENERAL PUBLIC LICENSE
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func initMit() {
  Licenses["mit"] = License{
    Name: "MIT License",
    PossibleMatches: []string{"mit"},
    Header: `Permission is hereby granted, free of charge, to any person obtaining a copy
of this software and associated documentation files (the "Software"), to deal
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***The art of simplicity is a puzzle of complexity.***

## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

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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
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=begin comment

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1.80 python-jsonpatch 1.2 4.el7

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1.81 stateless4j 2.5.0

1.82 libffi 3.0.13 18.el7
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1.84 swagger-parser-v3 2.0.14

1.85 grizzly-framework 1.9.8

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1.91 python-ipaddress 1.0.16-2.el7

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1.93 spring-kafka-test 2.1.6

1.94 udev 219 57.el7

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1.96 python-markupsafe 0.11 10.el7

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1.97 babel 0.9.6 8.el7

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1.100 eureka-core 1.9.0

1.101 time 1.7 45.el7

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1.104 jansi-native 1.7

1.105 python 2.7.17

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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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<td>2002</td>
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<td>PSF</td>
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1.111 protobuf 18.0.1
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* Detect unordered_map in stl_hash.m4.

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* gzip/zlib I/O support.

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* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
* Added generation of field number constants.

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* Fixed initialization ordering problem in logging code.

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* Small patch improving performance of in Python serialization.

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* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

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* 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.

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* 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 xC compiler build issues
* Added atomicops for AIX (POWER)

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1.112 jackson-module-afterburner 2.9.3

1.113 commons-digester 1.8.1

1.114 guice 4.2.1

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1.115 spring-cloud-config-server 2.0.0

1.116 libsepol 2.5-8.el7

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1.117 metrics 3.2.2

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

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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>.," 
buildRequires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
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Julian Seward, jseward@bzip.org
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Version 3, 19 November 2007

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```perl
#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the 
C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current
year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so that tests still pass for people intentionally working on older versions:
if ($opt eq '--now') {
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else {
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";
    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;
    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";
    my ($year) = $copyright_msg =~ /\d{4}/
    or die "Year not found in README copyright message '$copyright_msg'";
}
$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{

my $output = runperl switches => ['-v'];
my ($year) = $output =~ /copyright 1987.*\d{4,}$/i
  or die "Copyright statement not found in perl -v output '$output'";

$year;
}

1.119 glibc 2.17
1.119.1 Available under license:

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Version 2, June 1991

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// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
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1.122 jackson-datatype-joda 2.9.3

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1.123 micrometer-core 1.0.3

1.124 zuul-core 1.3.1

1.125 aether-util 1.1.0

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1.126 perl-encode 2.51-7.el7
1.127 jzlib 1.1.1

1.128 tar 1.26-35.el7

1.128.1 Available under license :

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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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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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[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
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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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(which use some of those functions and data) to form executables.

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

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

a) The modified work must itself be a software library.

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

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

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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

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

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

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

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

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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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<!-- SECTION: Getting Started -->
<HEAD>
<TITLE>Software License Agreement</TITLE>
<LINK REL="stylesheet" TYPE="text/css" HREF="../cups-printable.css">
</HEAD>
<BODY>

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1.142 rxjava 1.2.0

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1.144 eclipse-jgit 4.11.0.201803080745

1.145 jersey-container-servlet-core 2.25.1

1.146 miglayout 3.5.5

1.147 spring-boot-actuator 2.0.1

1.148 apache-commons-logging 1.1.3

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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* *
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
* public domain.

1.158 javax-json 1.0.4
1.158.1 Available under license :

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1.166 nss 3.34.0 4.el7
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1.173 libcap 219-67.el7_7.2

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

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

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

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

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

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

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

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1.174 plexus-interpolation 1.26

1.175 polkit 0.112 22.el7_7.1

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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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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
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table, the facility still operates, and performs whatever part of
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root function must still compute square roots.)

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

6.5.4

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1.181 centos-release-virt-common 1-1.el7.centos

1.182 log4j-slf4j-impl 2.11.1

1.183 spring session core 2.0.2

1.184 cloudfoundry-util v187

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1.186 attr 2.4.46 12.el7

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1.194 spring-plugin-core 1.2.0

1.195 grub 2.02 0.80.0.3.el7

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package io.swagger.annotations;

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

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

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

/**
 * The name of the license.
 *
 * @return the name of the license
 */
  String name();

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

1.206 xstream 1.4.10
1.207 pango 1.42.4 4.el7_7

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

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

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

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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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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
e-mail: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------

The `socket` module uses the functions, `getaddrinfo`, and `getnameinfo`, which are coded in separate source files from the WIDE Project, http://www.wide.ad.jp/.
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Asynchronous socket services
-----------------------------

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UUencode and UUdecode functions
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard
XML Remote Procedure Calls

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

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test_epoll

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Original location:
https://github.com/majek/csiphash/

Solution inspired by code from:
Samuel Neves (supercop/crypto_auth/siphash24/little)
djb (supercop/crypto_auth/siphash24/little2)
Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

strtod and dtoa
--------------

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libffi
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Jean-loup Gailly  Mark Adler
jloom@gzip.org     madler@alumni.caltech.edu

cfuhash

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

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

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

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1.216 sudo 1.8.23 4.el7_7.1

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

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Pete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vitezslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Fryinger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Juhani, Timo
Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
Sato, Yuichi
Sanchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
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
- Hamasaki, Takeshi
- Hamming, Peter
- Hansen, Joe
- Hantrais, Frédric
- Hein, Jochen
- Hufthammer, Karl Ove
- Jerovek, Damir
- Karvonen, Jorma
- Kazik, Duan
- Kelemen, Gbor
- Keeci, Mehmet
- Koir, Klemen
- Kozlov, Yuri
- Kramer, Jakob
- Krznar, Tomislav
- Marchal, Frédric
- Margevius, Algimantas
- Maryanov, Pavel
- Nikoli, Miroslav
- Nylander, Daniel
- Psa, Petr
- Putanec, Boidar
- Qun, Trn Ngc
- Rasmussen, Sebastian
- Regueiro, Leandro
- Sarer, zgr
- Sendn, Abel
- Sikrom, ka
- Spingos, Dimitris
- Taniguchi, Yasuaki
- Tomat, Fbío
- Uranga, Mikel Olasagasti
- Vorotnikov, Artem
1.217 spring-kafka 2.1.5

1.218 log4j-web 2.10.0

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---

#1:         32       7648  0x83
#2:       7680       8704  0xa5
#5:       7936       4864  0x7 (freebsd)
#6:      12544       3584  0x7 (freebsd)

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That's all there is to it!
Initialize empty image
f1c9645db4fbc7d8a3a32b685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
__ts_dev__ 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------

Create 1st primary partition
ada64aace122978d00d1d1c0e5c45e26 bsd.img

---layout---------
__ts_dev__ 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
-------------------

Create 2nd primary partition
1b0bf87248e05d1e6e62b749da65023 bsd.img
Set 2nd partition type
2d8e8dfe51a88a045db233418dd73fbd bsd.img

---layout---------
__ts_dev__ 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help):
BSD disklabel command (m for help):
4 partitions:
#   start   end     size    fstype  [fsize bsize cpg]
c:  4096    20479   16384    unused        0     0
   a:  4096     6144    2049    4.2BSD        0     0     0
   c:  4096    20479   16384    unused        0     0
   d:   0     16064    16065    unused        0     0

Command (m for help):
---layout--------

Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help):
BSD disklabel command (m for help):
4 partitions:
#   start   end     size    fstype  [fsize bsize cpg]
a:  4096     6144    2049    4.2BSD        0     0     0
   c:  4096    20479   16384    unused        0     0
   d:   0     16064    16065    unused        0     0

Command (m for help):
Changes will remain in memory only, until you decide to write them.  
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):

0 unused 5 4.1BSD 9 4.4LFS  d boot
1 swap 6 Eighth Edition a unknown e ADOS
2 Version 6 7 4.2BSD b HPFS f HFS
3 Version 7 8 MS-DOS c ISO-9660 10 AdvFS
4 System V

BSD disklabel command (m for help):

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1.220 boost 1.60.0

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#include <boost/mpl/fold.hpp>
#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/vector.hpp>

template <typename State, typename X> 
struct f { using type = X; };

struct state { };

template <int i> 
struct t { };

using vector = ^= mpl_vector((1..input_size).to_a.map { [n] "t<#{n}>" }) %};

using result = boost::mpl::fold<vector, state, boost::mpl::quote2<f>>::type;

int main() { }

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<p>All the value based traits in this library conform to MPL's requirements for an <code class="computeroutput">integral_constant</code> type.

Please note that these types no longer inherit from <code class="computeroutput">mpl</code> and the library will no longer implicitly include any MPL header. However there is an implicit conversion from <code class="computeroutput">integral</code> to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.
#include <cstdlib>

namespace boost {
    namespace interprocess {
        namespace ipcdetail {

            template <class T, T val>
            struct integral_constant {
                static const T value = val;
                typedef integral_constant<T,val> type;
            };

            template< bool C_ >
            struct bool_ : integral_constant<bool, C_> {
                static const bool value = C_; 
            };

            typedef bool_<true>        true_;
            typedef bool_<false>       false_;

            typedef true_  true_type;
            typedef false_ false_type;

            typedef char yes_type;
            struct no_type {
                char padding[8];
            };

            template <bool B, class T = void>
            struct enable_if_c {
                typedef T type;
            };

            template <class T>
            struct enable_if_c<false, T> { }; 

            template <class Cond, class T = void>
            struct enable_if : public enable_if_c<Cond::value, T> { }; 

            template <class Cond, class T = void>
            struct disable_if : public enable_if_c<!Cond::value, T> { }; 

            template<
                bool C
            ,  typename T1
            >
template<typename T1, typename T2>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
, typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
, typename T2
, typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};
#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
/*
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 * Boost Software License, Version 1.0. (See accompanying file
 * LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
 */
*/

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

// split_path is a small helper for outputting a path name,
// complete with a link to that path:

struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f){}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href=""\"""" << (p.root / p.file).string() << "\"""" << p.file.string() << "\""""; return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
    i = m_license_data.begin();
    j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output."
        std::runtime_error e(msg);
        boost::throw_exception(e);
    }
    os <<
        "<!DOCTYPE HTML PUBLIC \"-/W3C//DTD HTML 4.0 Transitional//EN\"\n
        "<html>
        "<head>
        "<title>Boost Licence Dependency Information";
    if(m_module_list.size() == 1)
    {
        os << " for " << *(m_module_list.begin());
    }
    os <<
        "</title>\n
        "</head>
        "</body>
        "<H1>Boost Licence Dependency Information";
    if(m_module_list.size() == 1)
    {
        os << " for " << *(m_module_list.begin());
    }
    os <<
        "</H1>\n
        "<H2>Contents</h2>
        "<pre><a href="#input">Input Information</a>
        if(!m_bsl_summary_mode)
        os << "<a href=""#summary"">Licence Summary</a>\n";}
while(i != j)
{
    // title:
    os << "<A href="#\#\#\#\#\#\#\#\#"&lt;margin target (licenses.first[i-&gt;first].license_name) &lt;"\"&gt;&lt; licenses.first[i-&gt;first].license_name &lt;&quot;"&gt;&lt;/a&gt;&lt;\n";
    ++i;
}

os << "&lt;a href="#files"&gt;Files with no recognised license&lt;/a&gt;&lt;\n";
"&lt;a href="#authors"&gt;Files with no recognised copyright holder&lt;/a&gt;&lt;\n";
if(!m_bsl_summary_mode)
{
    os <<
"Moving to the Boost Software License...&lt;\n"
" &lt;a href="#bsl-converted"&gt;Files that can be automatically converted to the Boost Software License&lt;/a&gt;&lt;\n" 
" &lt;a href="#to-bsl"&gt;Files that can be manually converted to the Boost Software License&lt;/a&gt;&lt;\n" 
" &lt;a href="#not-to-bsl"&gt;Files that can &lt;b&gt;NOT &lt;/b&gt; be moved to the Boost Software License&lt;/a&gt;&lt;\n" 
" &lt;a href="#need-bsl-authors"&gt;Authors we need to move to the Boost Software License&lt;/a&gt;&lt;\n" &nquo
" &lt;a href="#copyright"&gt;Copyright Holder Information&lt;/a&gt;&lt;\n";
}

os <<
"&lt;a href="#depend"&gt;File Dependency Information&lt;/a&gt;&lt;\n"
"&lt;/pre&gt;";

//
// input Information:
//
os << "&lt;a name="input"&gt;&lt;/a&gt;&lt;h2&gt;Input Information&lt;/h2&gt;&lt;\n";
if(m_scan_mode)
os << "&lt;p&gt;The following files were scanned for boost dependencies:&lt;BR&gt;";
else
os << "&lt;p&gt;The following Boost modules were checked:&lt;BR&gt;";

std::list&lt;std::string&gt;::const_iterator si = m_module_list.begin();
std::list&lt;std::string&gt;::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << &lt;BR&gt;";
    ++si;
}
os &lt; &lt;p&gt;The boost path was: &lt;code&gt;" &lt; m_boost_path.string() &lt; "&lt;/code&gt;&lt;/p&gt;";

//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
    "^[[:blank:]*#\[[[:blank:]*define\[[[:blank:]*BOOST_VERSION\[[[:blank:]*\+(\d+)\]
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 100 << "." << version % 100
        << "</p>\n";
}

// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    // start with the summary:
    //
    os << "<a name="summary"></a><h2>Licence Summary</h2>
    while(i != j)
    {
        // title:
        os <<
            "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
        // license text:
        os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
        // Copyright holders:
        os << "<P>This license is used by " << i->second.authors.size()
            << " authors and " << i->second.files.size()
            << " files <a href="#" >> make_link_target(licenses.first[i->first].license_name) >" ;
        os << "<P>(see details)</a>";
        ++i;
    }
    //
    // and now the details:
    //
    i = m_license_data.begin();
j = m_license_data.end();
    int license_index = 0;
    os << "<a name="details"></a><h2>Licence Details</h2>
    while(i != j)
    {
        // title:
        os <<
            "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
        // license text:
        os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
        // Copyright holders:
        os << "<P>This license is used by " << i->second.authors.size()
            << " authors and " << i->second.files.size()
            << " files <a href="#" >> make_link_target(licenses.first[i->first].license_name) >" ;
        os << "<P>(see details)</a>";
        ++i;
    }
"<H3><A name=""></a>" << licenses.first[i->first].license_name << "</H3>
";
// license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
if(!m_bsl_summary_mode || (license_index >= 3))
{
    // Copyright holders:
    os << "<P>This license is used by the following " << i->second.authors.size() << " " copyright holders:";
    std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
    os << *x << "<BR>
";
    ++x;
}
os << "</P></BLOCKQUOTE>";
// Files using this license:
os << "<P>This license applies to the following " << i->second.files.size() << " files:";
std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "<br>
";
    ++m;
}
os << "</P></BLOCKQUOTE>";
}
else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).";
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).";
}
++license_index;
++i;
}
// Output list of files not found to be under license control:
//
os << "<H2><A name="files"</a>Files With No Recognisable Licence</H2>";
"<P>The following " << m_unknown_licenses.size() << " files had no recognisable license information:";
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    ++i2;
}
}
ostringstream os;
ostringstream os2;

// Output list of files with no found copyright holder:
//
ostringstream os;
ostringstream os2;

// Output list of files that have been moved over to the Boost
// Software License, along with enough information for human
// verification.
if(!m_bsl_summary_mode)
{
//
ostringstream os;
ostringstream os2;

// Output list of files that have been moved over to the Boost Software
// License, but require manual verification before they can be committed to CVS:
if (!m_converted_to_bsl.empty())
{
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
    ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
    ie = m_converted_to_bsl.end();
    int file_num = 1;
    while (i != ie)
    {
        os << "<p>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
        << "</tt><br>\n        <tt>
        <table border="1">
            <tr>
                <td><pre>" << i->second.first << "</pre></td>
                <td><pre>" << i->second.second << "</pre></td>
            </tr>
        </table>\n        </tt><br>
        ++i;
        ++file_num;
    }
}
// Output list of files that could be moved over to the Boost Software License
//
os << "<h2><a name="to-bsl"></a>Files that could be converted to the Boost Software License</h2>
";

// The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost Software License, but have not yet been:
<P>
<BLOCKQUOTE>

i2 = m_can_migrate_to_bsl.begin();
j2 = m_can_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    +i2;
}
os << "</p></BLOCKQUOTE>";

// Output list of files that can not be moved over to the Boost Software License
//
os << "<h2><a name="not-to-bsl"></a>Files that can NOT be converted to the Boost Software License</h2>
";

// The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:
<P>
<BLOCKQUOTE>

i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    +i2;
}
os << "</p></BLOCKQUOTE>";

// Output list of authors that we need permission for to move to the BSL
//
os << "<h2><a name="need-bsl-authors"></a>Authors we need for the BSL</h2>
";

// Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in <code>more/blanket-permission.txt</code>:  
<P>
<BLOCKQUOTE>

std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
    std::ostream_iterator<std::string>(os, "<br>

os << "</p></BLOCKQUOTE>";

// output a table of copyright information:  

os << "<H2><a name="copyright"></a>Copyright Holder Information</H2><table border="1"\n";

std::map<std::string, std::set<fs::path, path_less>>::const_iterator ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
os << "\t<tr><td>" << ad->first << "</td><td>
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = ad->second.begin();
efi = ad->second.end();
while(fi != efi)
{
    os << split_path(m_boost_path, *fi) << " ";
    ++fi;
}
os << "\n";
++ad;
}
os << "\n";

// output file dependency information:

// os << "<H2><a name="depend"></a>File Dependency Information</H2><BLOCKQUOTE><pre>
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
    ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
    ie = m_converted_to_bsl.end();
while(i != ie)
{
    bad_paths.insert(i->first);
    ++i;
}
fi = bad_paths.begin();
efi = bad_paths.end();
os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
last_dep = m_dependencies.end();
std::set<fs::path, path_less> seen_deps;
if (dep != last_dep)
    while(true)
    {
        os << " - > ";
        if(fs::exists(m_boost_path / dep->second))
            os << split_path(m_boost_path, dep->second);
        else if(fs::exists(dep->second))
            os << split_path(fs::path(), dep->second);
        else
            os << dep->second.string();
        if(seen_deps.find(dep->second) != seen_deps.end())
        {
            os << " <I>(Circular dependency!)</I>";
            break; // circular dependency!!!
        }
        seen_deps.insert(dep->second);
        last_dep = dep;
        dep = m_dependencies.find(dep->second);
        if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
            break;
        os << "\n";
        ++fi;
    }
    os << "</pre></BLOCKQUOTE>\n";

os << "</body></html>\n";

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ".
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

[article Copyright Test
[quickbook 1.5]
[copyright 1977,1985 Someone else]
]
[/
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All the value based traits in this library conform to MPL's requirements for an Integral Constant type.

Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from `integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.
Adapters for Boost.MPL containers.

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>boost::mpl::integral_c</code></td>
<td>Adapter for IntegralConstants from Boost.MPL.</td>
</tr>
<tr>
<td><code>boost::mpl::list</code></td>
<td>Adapter for Boost.MPL lists.</td>
</tr>
<tr>
<td><code>boost::mpl::vector</code></td>
<td>Adapter for Boost.MPL vectors.</td>
</tr>
</tbody>
</table>

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#!/usr/bin/env python
from subprocess import check_output as run
from datetime import datetime
from itertools import groupby
from operator import itemgetter
import re
import magic
def authors(filename):
    log = run(['git', 'log', '--all', '--follow',
               '--date=short', '--format=%an%x09%ad', filename],
              universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('	')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')

def new_copyright(filename, previous):    
    def f():
        au = list(authors(filename))
        alldates = map(itemgetter(1), au)
        aup = sorted(au + map(lambda a: (a, None), previous), key=itemgetter(0))
        for author, records in groupby(aup, itemgetter(0)):
            dates = filter(None, map(itemgetter(1), records))
            if not dates: dates = alldates
            start = min(dates)
            end = max(dates)
            fmt = '[0]' if start.year == end.year else '[0]-[1]'
            line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
            key = (start, author)
            yield key, line
        return map(itemgetter(1), sorted(f()))

def fix_copyright(filename):
    # Find copyright block in original file
    prefix = set()
    names = []
    lines = []
    with open(filename, 'r') as f:
        content = list(f)
        for i, line in enumerate(content[:15]):
            m = re.match(r'^(?P<prefix>\W*)(\(c\))\s*?copyright\(c\)\s+\d{4}(\s*\-\s+\d{4})\s+(?P<name>.+?)\s*$',
                         line, re.IGNORECASE)
            if m:
                d = m.groupdict()
                prefix.add(d['prefix'])
                lines.append(i)
                names.append(d['name'].strip())
            if len(prefix) != 1:
                print 'Not found:', filename
                return
            prefix = list(prefix)[0]

    print filename
    new = iter(new_copyright(filename, names))
with open(filename, 'w') as f:
    for i, line in enumerate(content):
        if i in lines:
            for repl in new:
                print >>f, prefix + repl
        else:
            print >>f, line,
        pass

def all_files():
    ls = run(['git', 'ls-files'], universal_newlines=True)
    for filename in ls.splitlines():
        if magic.from_file(filename, mime=True).split('/')[0] == 'text':
            yield filename

    for f in all_files():
        fix_copyright(f)

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//
//

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#  include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
#  pragma once
#endif

#include <boost/container/detail/config_begin.hpp>
#include <boost/container/detail/workaround.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>

namespace boost {
namespace container {
namespace dtl {

using boost::move_detail::integral_constant;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::identity;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::unvoid_ref;
using boost::move_detail::and_;
using boost::move_detail::or_;
using boost::move_detail::not_;
using boost::move_detail::enable_if_and;
using boost::move_detail::disable_if_and;
using boost::move_detail::enable_if_or;
using boost::move_detail::disable_if_or;

template <class FirstType>
struct select1st
{
    typedef FirstType type;

    template <class T>
    const type& operator()(const T& x) const
    { return x.first;   }

    template <class T>
    type& operator()(T& x)
    { return const_cast<type&>(x.first);   }
};

template <class T, class=void>
struct is_transparent
{
  static const bool value = false;
};

template <class T>
struct is_transparent<T, typename T::is_transparent>
{
  static const bool value = true;
};

template <typename C, typename K, typename R>
struct enable_if_transparent
: boost::move_detail::enable_if_c<dtl::is_transparent<C>::value, R>
{};

}  //namespace dtl {
}  //namespace container {
}  //namespace boost {

#include <boost/container/detail/config_end.hpp>

#endif   //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

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//
//
/////////////////////////////////////////////////////////////////////////////

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#  include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
#  pragma once
#endif

#include <boost/intrusive/detail/config_begin.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>

namespace boost {
namespace intrusive {
namespace detail {

using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_
using boost::move_detail::is_const;
using boost::move_detail::identity;
using boost::move_detail::alignment_of;

}  // namespace detail
}  // namespace intrusive
}  // namespace boost

#include <boost/intrusive/detail/config_end.hpp>
using boost::move_detail::is_empty;
using boost::move_detail::addressof;
using boost::move_detail::integral_constant;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::apply;
using boost::move_detail::eval_if_c;
using boost::move_detail::eval_if;
using boost::move_detail::unvoid_ref;
using boost::move_detail::add_const_if_c;

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME)     \
    template <typename T>                                         \
    struct boost_intrusive_has_type_ ## TNAME                    \
    {                                                               \
        template <typename X>                                       \
        static char test(int, typename X::TNAME*);                 \
        template <typename X>                                       \
        static int test(...);                                      \
        static const bool value = (1 == sizeof(test<T>(0, 0)));    \
    };                                                             \


template <typename T, typename DefaultType>  
struct boost_intrusive_default_type_##TNAME  
{  
    struct DefaultWrap { typedef DefaultType TNAME; };  
    
    typedef typename  
        ::boost::intrusive::detail::if_c  
            < boost_intrusive_has_type_##TNAME<T>::value  
                , T, DefaultWrap::type::TNAME type;  
    };  
};  

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL)  
    typename INSTANTIATION_NS_PREFIX  
        boost_intrusive_default_type_##TNAME< T, TIMPL >::type  
    
#define BOOST_INTRUSIVE_HAS_TYPE(INSTANTIATION_NS_PREFIX, T, TNAME)  
    INSTANTIATION_NS_PREFIX  
        boost_intrusive_has_type_##TNAME<T>::value  
    
#define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME)  
    template <typename T, typename DefaultType>  
struct boost_intrusive_eval_default_type_##TNAME  
{  
    template <typename X>  
        static char test(int, typename X::TNAME*);  
    
    template <typename X>  
        static int test(...);  
    
    struct DefaultWrap  
    {  
        typedef typename DefaultType::type TNAME;  
    };  
    
    static const bool value = (1 == sizeof(test<T>(0, 0)));  
    
    typedef typename  
        ::boost::intrusive::detail::eval_if_c  
            < value  
                , ::boost::intrusive::detail::identity<T>  
                , ::boost::intrusive::detail::identity<DefaultWrap>  
                >::type::TNAME type;  
};  

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T,
#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAITS_PREFIX, TYPEDEF_TO_FIND) |
template <class T> |
struct TRAITS_PREFIX##_bool |
{ |
    template<bool Add> |
    struct two_or_three {yes_type _[2 + Add];}; |
    template <class U> static yes_type test(...); |
    template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int); |
    static const std::size_t value = sizeof(test<T>(0)); |
}; |
|
template <class T> |
struct TRAITS_PREFIX##_bool_is_true |
{ |
    static const bool value = TRAITS_PREFIX##_bool<T>::value > sizeof(yes_type)*2; |
}; |
//

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAITS_NAME, FUNC_NAME) |
template <typename U, typename Signature> |
class TRAITS_NAME |
{ |
    private: |
    template<Signature> struct helper; |
    template<typename T> |
    static ::boost::intrusive::detail::yes_type test(helper<&T::FUNC_NAME>*); |
    template<typename T> static ::boost::intrusive::detail::no_type test(...); |
    public: |
    static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type); |
}; |
//

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME) |
template <typename Type> |
class TRAITS_NAME |
{ |
    struct BaseMixin |
    { |
        void FUNC_NAME(); |
    }; |
    struct Base : public Type, public BaseMixin { Base(); }; |
}
template<typename T, T t> class Helper{};

template<typename U>
static ::boost::intrusive::detail::no_type test(U*, Helper<void (BaseMixin::*)()>, &U::FUNC_NAME>* = 0);
static ::boost::intrusive::detail::yes_type test(...);
static const bool value = sizeof(::boost::intrusive::detail::yes_type) == sizeof(test((Base*)(0)));

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAITS_NAME,
FUNC_NAME) 
BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME##_ignore_signature, FUNC_NAME)

template<typename Type, class>
struct TRAITS_NAME
: public TRAITS_NAME##_ignore_signature<Type>
{};

// namespace detail
// namespace intrusive
// namespace boost

#include <boost/intrusive/detail/config_end.hpp>

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Igor Sysoev.

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This is an attempt to acknowledge early contributions to the garbage 
collector. Later contributions should instead be mentioned in 
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research 
projects supported in part by the National Science Foundation 
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for 
the Russell programming language implementation. The first version of the 
garbage collector was written primarily by Al Demers. It was then refined 
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., 
the University of Washington, Rice University (where it was first used for 
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant 
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in 
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. 
The Encore Multimax modifications were supplied by 
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely 
due to Vernon Lee, on machines made available to Rice by IBM. 
Much of the HP specific code and a number of good suggestions for improving the 
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

Maybe this should pass?
This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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This is Release 2.4 of Jam/MR, a make-like program.

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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>") %} >;

int main() { }

#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/transform.hpp>
#include <boost/mpl/vector.hpp>

template <typename X>
struct f { using type = X; };

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" ) %}>;

using result = boost::mpl::transform<vector, boost::mpl::quote1<f>>::type;

int main() { }

var group__group_ext_mpl = [...

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#include <boost/mpl/vector.hpp>

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>") %} >;

int main() { }

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#include <boost/mpl/quote.hpp>
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struct f { using type = X; };

template <int i>
struct t { };

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" ) %}>;

using result = boost::mpl::transform<vector, boost::mpl::quote1<f>>::type;

int main() { }

var group__group_ext_mpl = [...
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<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<title>&lt;no title&gt; — Boost.HigherOrderFunctions 0.6 documentation</title>
</head>
<body>
<script type="text/javascript">
var DOCUMENTATION_OPTIONS = {
  URL_ROOT: '../',
  VERSION: '0.6',
  COLLAPSE_INDEX: false,
  FILE_SUFFIX: '.html',
</script>
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The header `\#include <boost/mp11/mpl.hpp>` provides the necessary support infrastructure for `mp_list` and `std::tuple` to be valid.

Note: `mpl.hpp` is not included by `\#include <boost/mp11.hpp>`.

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1.221 trousers 0.3.14 2.el7

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Ty Coon, President of Vice

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1.247 bouncycastle-fips 1.60
1.247.1 Available under license:
<html>
<body bgcolor=#ffffff>
The following organisations and people have contributed to the Bouncy Castle Cryptography Package.
<p>
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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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.

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

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

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

James Wright &lt;James_Wright@6harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.

Michael Hauser &lt;hauser@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@064digiw.ch&gt; - addition of ZeroBytePadding.

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

Jeroen van Vianen &lt;jeroen@064vianvianen.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;pdudem@064email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

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

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

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

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

Matthew Mundy &lt;mmundy1@064umbc.edu&gt; - infinite loop prevention patch to PKCSS2ParametersGenerator.

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

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

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

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

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

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

Miles Whiteley &lt;Miles.Whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.
Albert Moliner &lt;amoliner@evintia.com&gt; - initial TSP implementation.

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

Javier Delgadillo &lt;javi@javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.

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

Rolf Schilling &lt;rolf@#064isir-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@keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

Atsuhiro Yamanaka &lt;ymnk@#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. Path 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.getDefaultSigProvider() 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;matartuso@#064libero.it&gt; - sequence patch to ASN1Dump.

Andrew Paterson &lt;andrew.paterson@#064burnsec.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 ElGamalPublicKeyParameters 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@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;m@#064emboby.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.

tu-vi cung &lt;t2cung@#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.
<li>Chris Schultz &lt;cschultz&#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
<li>David M. Lee &lt;dmlee&#064Crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees&#064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francese Sau &lt;francesc.sau&#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;bugbee&#064mac.com&gt; - initial ECNR implementation.</li>
<li>Remi Blancher &lt;Remi.Blancher&#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian O'Rourke &lt;brianorourke&#064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier&#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
<li>David Josse &lt;david josse&#064transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiko &lt;kazu-k&#064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
<li>Lawrence Tan &lt;lwnrctan&#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente &lt;superdupont&#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc&#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>Jörg Eichhorn &lt;eichhorn&#064604ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Karsten Ohme &lt;widerstand&#064604t-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.</li>
<li>Carlos Lozano Ruiz &lt;carlos&#064tradise.com&gt; - patch for &lt; ctrl &gt; &lt; m &gt; only handling in CRLFOutputStream.</li>
<li>John Alfred Prufrock &lt;j.a.prufrock&#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>Marzio Lo Giudice &lt;marzio.logiudice&#064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.</li>
<li>Georg Lippold &lt;georg.lippold&#064gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>
<li>Chris Viles &lt;chris_viles&#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>
<li>Pasi Eronen &lt;pasi.eronen&#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
<li>Maria Ivanova &lt;maria.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminh&#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
<li>Marius Schilder &lt;mschilder&#064064google.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&#064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding</li>
<li>Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info&#064064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;roaquim&#064064cc.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&#064064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
<li>Julius Davies &lt;juilusdavies&#064gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Matthias &lt;g&#064064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>
<li>Olga K&auml;hler &lt;olga.kaehler@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&uacute;ria Mar&iacute; &lt;numaa&#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;msjohns@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.</li>
<li>Julien Pasquier &lt;julienpasquier@064free.fr&gt; - additional classes for supporting signature policy and
signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp&amp;#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdz &lt;gwozdziu&amp;#064rgp.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li>
<li> Bartosz Malkowski &lt;bmalkow&amp;#064digitag.org&gt; - initial implementation of VMPC cipher, VMPCHandleMac, VMPCRandomGenerator, VMPCMac.</li>
<li>Tal Yacobi &lt;tal.yacobi&amp;#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#B1A-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi&amp;#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</li>
<li>Andrey Pavlenko &lt;andrey.a.pavlenko&amp;#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>
<li>J Ross Nicoll &lt;jrn&amp;#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson &lt;mavricknz&amp;#064yahoo.com&gt; - patch to constructor for CRMF CertSequence.</li>
<li>Gabriele Contini &lt;gcontini&amp;#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>
<li>Roelof Naude &lt;roelof.naude&amp;#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li> Patrick Peck &lt;peck&amp;#064signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay &lt;lemaymd&amp;#064lemaymd.com&gt; - identified problem with EAX [#B1A-93].</li>
<li>Alex Dupre &lt;ale&amp;#064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#B1A-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#B1A-102].</li>
<li>Michael Schoene &lt;michael&amp;#064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
<li> Ion Larrañaga &lt;ilarra&amp;#064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.</li>
<li>Bob Kerns &lt;bob.kerns&amp;#064positscience.com&gt; - fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer &lt;stefan.meyer&amp;#064ewe.de&gt; - backend for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li> Robert J. Moore &lt;Robert.J.Moore&amp;#064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai &lt;rui&amp;#064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic &lt;emir.bucalovic&amp;#064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson &lt;torbbe79&amp;#064gmail.com&gt; - initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick &lt;bourcycastle_pfitz&amp;#064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson &lt;k.henrik.andersson&amp;#064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.</li>
<li>Cagdas Cirit &lt;cagdascirit&amp;#064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri &lt;harakiri_23&amp;#064yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques &lt;pmahenriques&amp;#064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimmeringer &lt;lotha79&amp;#064kimmeringer.de&gt; - verbose mode for ASN1Dump, support for DEREexternal, DNS performance fix for SMIME API.</li>
<li>Richard Farr &lt;rfarr.se&amp;#064gmail.com&gt; - initial SRP-6a implementation.
Thomas Castiglione &lt;castiglione#064au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.

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

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

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

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

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.xhome#064gmail.com&gt; name look up patch for GOST-2001 parameters.

Mike Lyons &lt;mlyons#064layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming 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#064yahoo.com&gt; added checking of Sender header to SignedMailValidator.

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

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

Markus Kilärings &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 PKCS10 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#064tinternet.com&gt; patch to support different object and mgf digests in PSS signing.

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

Marco Sandrini &lt;nessche#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#064unificaspa.it&gt; initial work on CMSTimeStampedDataParser.

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

Janusz Sikociski &lt;J.Sikocinski#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#064hjp-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;steininge.morisbak@064BEKK.no&gt;: Test code for lower case Hex data in PEM headers.
- Andreas Schmid &lt;andreas.schmid@064ngtech.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 hash fix for DSTU-4145-2002.
- Petar Petrov &lt;p.petrov@064bers-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 implemenations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.
- Andy Neilson &lt;Andy.Neilson@quest.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@WPECGLtYbVi8Rl6Y7VzI2Lvd2EUVVW99v3yNV3IWO6G8.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;philf_b@064gyahoo.com&gt;: Initial implementation of J-PAKE.
- Brian Carlstrom &lt;bdc@064carlstrom.com&gt;: compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.
- Samuel Lid&egrave;ne 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 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/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.
<li>Andrey Zhohzin &lt;zhohzin#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiunov &lt;t5555d#064gmail.com&gt; initial cut of DVCS classes.</li>
<li> Damian Kolasa &lt;fatfredyy#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.</li>
<li> Ash Hughes &lt;ashley.hughes#064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>
<li> Daniel Hirscher &lt;dev#064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.</li>
<li> Daniele Ricci &lt;daniele.athome#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>
<li> 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.</li>
<li> Babak Najafi &lt;bnajafi#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.</li>
<li> Eric Mueller &lt;eric.mueller#064sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.</li>
<li> Mathias Herberts &lt;Mathias.Herberts#064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.</li>
<li> Daniil Ivanov &lt;daniil.ivanov#064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.</li>
<li> Daniele Grasso &lt;daniele.grasso86#064gmail.com&gt; contributions to final Key calculation code for SRP6.</li>
<li> Andrey Utkin &lt;cindrhc#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>
<li> Arnis Tartu &lt;arnis#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
<li> AxelVDB &lt;axel-vdb#064riseup.net&gt; initial implementation of Shacal2.</li>
<li> Roberto Tyley &lt;&gt; further work on completing gradle build.</li>
<li> Waldemar Dick &lt;wdick#064devmue.de&gt; code improvement in x500 ASN.1 package.</li>
<li> Sid Steward &lt;sid.steward#064pdflabs.com&gt; code improvements to ASN1Boolean.</li>
<li> Alex Klyubin &lt;klyubin#064google.com&gt; AlgorithmParameters check for EC key agreement.</li>
<li> Jonathan Gillett &lt;gsoc.student#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
<li> Andreas Reiter &lt;andreas.reiter#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
<li> Kieran Miller &lt;kieran.miller#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.</li>
<li> Oliver Ehli &lt;ehli#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.</li>
<li> Daniel Heldt &lt;Daniel.Heldt#064cryptovision.com&gt; Initial support for encodable state message digests.</li>
<li> Robert Bushman &lt;bouncycastle#064traxel.com&gt; Clean up of DirectKeySignature example.</li>
<li> Maurice Aarts &lt;maartens&064risrecom.com&gt; updated to KDF generator to follow NIST SP 800-108.</li>
<li> Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
<li> KB Sriram &lt;mail_kb#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
<li> Marco Schulze &lt;marco#064nigtheads.de&gt; Reported verification bug in GenericSigner.</li>
<li> Martin Schaef &lt;https://github.com/martinschaef&gt; contributed a code-cleanup patch.</li>
<li> dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator
<li>Tobias Wich &lt; tobias.wich@064ecsec.de &gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
<li>Hauke Mehrtens &lt; hauke@#064hauke-m.de &gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.</li>
<li>Daniel Zimmerman &lt; dmz@#064galois.com &gt; Further key quality improvements to RSAKeyPairGenerator.</li>
<li>Jens Kapitza &lt; jtp.kapitza@064schwarze-allianz.de &gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
<li>Johan Eklund &lt; johan@#064primekey.se &gt; update to RFC 6960 for OCSPObjectIdentifiers.</li>
<li>nikosn &lt; https://github.com/nikosn &gt; Fix to encoding of EC private keys to ensure encoding matches order length.</li>
<li>Axel von dem Bruch &lt; axel-vdb@#064riseup.net &gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>
<li>Derek Atkins &lt; derek@#064iltp.com &gt; Documentation fixes to X9ObjectIdentifiers.</li>
<li>Peter Jr Halicky &lt; peto@#064halicky.sk &gt; Correction to notification/error message handling in SignedMailValidator.</li>
<li>lartiguePierre &lt; https://github.com/lartiguePierre &gt; Fix for counter signature SID in CMSSignedData.</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>BJ@ouml;rn Kautler &lt; https://github.com/Vampire &gt; Refinements to cert path validation (authority key addition, certificate order preservation).</li>
<li>Dominik Sch@uuml;rmann &lt; https://github.com/dschuermann &gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>
<li>Michael &lt; MSKete@#064web.de &gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.</li>
<li>Tobias Wagner &lt; tobias.wagner@#064n-design.de &gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
<li>Sergio Giro &lt; sgiro@#064google.com &gt; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBEm.java, check for salt in PBEmKeys that require it.</li>
<li>bschuette &lt; https://github.com/bschuette &gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
<li>Leonard Dallot &lt; https://github.com/dallotTazTag &gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
<li>Jan Willem Janssen &lt; j.w.janssen+bouncycastle@#064xtreme.nl &gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de &gt; Fixes to toString() in x509.CertificatePolicies.</li>
<li>Kai Kramer &lt; kai.kramer@#064gmail.com &gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
<li>Benoit Charles &lt; benoit.charles@#064opentrust.com &gt; Fix for IES data length check on decryption.</li>
<li>Niko &lt; fnik95@#064gmail.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 variant keys.</li>
<li>Matthias Edelhoff &lt; Matthias.Edelhoff@#064cryptovision.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 PGPObjFactory to handle stream packets at start of iterated data.</li>
<li>Andrzejacut; Berenguel &lt;https://github.com/berenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi</li>
<li>Slawomir Jaranowski &lt;https://github.com/slawejkaranowski&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 Naegele &lt;njaegele#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#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;storojs72#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#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;storojs72#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.</li>
<li>ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.
<li>jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.</li>
<li>str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s</li>
<li>Scott Woodward &lt;scott@064bitconsulting.com&gt; performance fixes for CTRSP80DRBG.</li>
<li>David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPY 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.</li>
<li>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/ekki&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>
<li>Shartung &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 Valodim and str4d as well).</li>
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu@#064gmail.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@#064gmail.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>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 Looly &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
<li>Ren&eacute; acute; Korthaus&laquo; https://github.com/securitykernel&raquo; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>
<li>THausherr&laquo; https://github.com/THausherr&raquo; Addition generic support for CMS/TSP functions.</li>
<li>Gaylor Bosson&laquo; https://github.com/Gilthoniel&raquo; Initial implementation of Blake2xs.</li>
<li>gaellalire&laquo; https://github.com/gaellalire&raquo; Patch for unprotected PGP private keys as SExpr.</li>
<li>Nick hitchan&laquo; https://github.com/hitchan&raquo; Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>
<li>dbusche&laquo; https://github.com/dbusche&raquo; Argon2 optimisations.</li>
<li>Daniel Heldt&laquo; https://github.com/dheldt&raquo; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
<li>Ugochukwu Mmaduekwe&laquo; https://github.com/Xor-el&raquo; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>
<li>Gsealy &laquo; https://github.com/Gsealy&raquo; addition of PBKDF2withHmacSM3 to the provider.</li>
<li>aphuang2013 &laquo; https://github.com/aphuang2013&raquo; update to path validation in EST service for ClearPath EST.</li>
<li>Kevin Herron &laquo; https://github.com/kevinherron&raquo; Initial ChaCha20Poly1305 prototype.</li>
<li>vkreml &laquo; https://github.com/svkreml&raquo; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
<li>Tobias Ospelt &lt; tobias@pentagrid.ch &gt; Identification of 1.63 regression in ASN.1 parsing.</li>
</ul>
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1.248 netty-codec-http 4.1.23

1.249 jackson-module-parameter-names 2.9.3

1.250 netty-resolver 4.1.30

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    * https://github.com/takari/maven-wrapper

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1.254 pycurl 7.19.0-19.el7
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* 
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* 
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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$OpenBSD: LICENCE,v 1.19 2004/08/30 09:18:08 markus Exp$
#! /bin/sh
# Attempt to guess a canonical system name.
# Copyright 1992-2016 Free Software Foundation, Inc.

timestamp='2016-05-15'

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# program. This Exception is an additional permission under section 7 
# of the GNU General Public License, version 3 ("GPLv3").
#
# Originally written by Per Bothner; maintained since 2000 by Ben Elliston.
#
# You can get the latest version of this script from:
# http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess
#
# Please send patches to <config-patches@gnu.org>.

me=`echo "$0" | sed -e 's..*/,,'`
usage="\nUsage: $0 [OPTION]

Output the configuration name of the system \$me' is run on.

Operation modes:
- -h, --help        print this help, then exit
- -t, --time-stamp print date of last modification, then exit
- -v, --version    print version number, then exit

Report bugs and patches to <config-patches@gnu.org>.'"
exit 1
fi

trap 'exit 1' 1 2 15

# CC_FOR_BUILD -- compiler used by this script. Note that the use of a
# compiler to aid in system detection is discouraged as it requires
# temporary files to be created and, as you can see below, it is a
# headache to deal with in a portable fashion.

# Historically, `CC_FOR_BUILD' used to be named `HOST_CC'. We still
# use `HOST_CC' if defined, but it is deprecated.

# Portable tmp directory creation inspired by the Autoconf team.

set_cc_for_build='
trap "exitcode=$?; (rm -f \$tmpfiles 2>&1; rmdir \$Tmp 2>&1; exit 1)" 0;
trap "rm -f \$tmpfiles 2>/dev/null; rmdir \$Tmp 2>/dev/null; exit 1" 1 2 13 15;
: { tmp=$(umask 077 && mktemp -d "$TMPDIR/cgXXXXXX") 2>/dev/null && test -n "$tmp" && test -d "$tmp"; } ||
{ test -n "$RANDOM" && tmp=$TMPDIR/cg$RANDOM && (umask 077 && mkdir $tmp); } ||
{ tmp=$TMPDIR/cg-$RANDOM && (umask 077 && mkdir $tmp) && echo "Warning: creating insecure temp directory"
>&2 ; } ||
{ echo "$me: cannot create a temporary directory in $TMPDIR" >&2 ; exit 1 ; };
dummy=$tmp/dummy;
tmpfiles="$dummy.c $dummy.o $dummy.rel $dummy";
case $CC_FOR_BUILD,$HOST_CC,$CC in
  ,,)    echo "int x;" > $dummy.c;
  for c in cc gcc c89 c99 ; do
    if ($c -c -o $dummy.o $dummy.c) >/dev/null 2>&1 ; then
      CC_FOR_BUILD="$c"; break;
    fi;
done;
if test x"$CC_FOR_BUILD" = x ; then
  CC_FOR_BUILD=no_compiler_found;
fi
;);
  ,*)   CC_FOR_BUILD=$CC ;
  ,*,*) CC_FOR_BUILD=$HOST_CC ;
esac ; set_cc_for_build = ;'

# This is needed to find uname on a Pyramid OSx when run in the BSD universe.
# (ghazi@noc.rutgers.edu 1994-08-24)
if (test -f /.attbin/uname) >/dev/null 2>&1 ; then
  PATH=$PATH:.attbin ; export PATH
fi
UNAME_MACHINE=`(uname -m) 2>/dev/null` || UNAME_MACHINE=unknown
UNAME_RELEASE=`(uname -r) 2>/dev/null` || UNAME_RELEASE=unknown
UNAME_SYSTEM=`(uname -s) 2>/dev/null` || UNAME_SYSTEM=unknown
UNAME_VERSION=`(uname -v) 2>/dev/null` || UNAME_VERSION=unknown

case "${UNAME_SYSTEM}" in
  Linux|GNU|GNU/*)
  # If the system lacks a compiler, then just pick glibc.
  # We could probably try harder.
  LIBC=gnu
  eval $set_cc_for_build
cat <<EOF > $dummy.c
    #include <features.h>
    #if defined(__UCLIBC__)
      LIBC=uclibc
    #elif defined(__dietlibc__)
      LIBC=dietlibc
    #else
      LIBC=gnu
    #endif
    EOF
  eval `$CC_FOR_BUILD -E $dummy.c 2>/dev/null | grep '^LIBC' | sed 's, ,,g'`
  ;;
  esac

  # Note: order is significant - the case branches are not exclusive.

case "${UNAME_MACHINE}:${UNAME_SYSTEM}:${UNAME_RELEASE}:${UNAME_VERSION}" in
  *:NetBSD:*:*)
  # NetBSD (nbsd) targets should (where applicable) match one or
  # more of the tuples: *-*-netbsdelf*, *-*-netbsdelfaout*,
  # *-*-netbsdelf* and *-*-netbsd*. For targets that recently
  # switched to ELF, *-*-netbsd* would select the old
  # object file format. This provides both forward
  # compatibility and a consistent mechanism for selecting the
  # object file format.
  #
  # Note: NetBSD doesn't particularly care about the vendor
  # portion of the name. We always set it to "unknown".
  sysctl="sysctl -n hw.machine_arch"
  UNAME_MACHINE_ARCH=`(uname -p 2>/dev/null ||
    /sbin/sysctl 2>/dev/null ||
    /usr/sbin/sysctl 2>/dev/null ||
    echo unknown)
  `case "${UNAME_MACHINE_ARCH}" in
    armbe) machine=armeb-unknown ;;
    arm*) machine=arm-unknown ;;
    esac

  ;;
  esac

`
sh3el) machine=shl-unknown ;;
sh3eb) machine=sh-unknown ;;
sh5el) machine=sh5le-unknown ;;
earmv*)
arch="`echo \${UNAME_MACHINE_ARCH} | sed -e 's,\(^armv[0-9]\).*$,\1,\`"
endian="`echo \${UNAME_MACHINE_ARCH} | sed -ne 's,\(^.*eb\)$,\1,p`"
machine=`\$\{arch\}$\{endian\}-unknown 
;;
*) machine=\${UNAME_MACHINE_ARCH}-unknown ;;
esac

# The Operating System including object format, if it has switched
# to ELF recently (or will in the future) and ABI.
case "$\{UNAME_MACHINE_ARCH\}" in
earmv*)
os=netbsdelf
;;
arm*[i386|m68k|ns32k|sh3*[sparc|vax])
eval $set_cc_for_build
if echo __ELF__ | $CC_FOR_BUILD -E - 2>/dev/null |
grep -q __ELF__
then
# Once all utilities can be ECOFF (netbsdecoff) or a.out (netbsdaout).
# Return netbsd for either. FIX?
os=netbsd
else
os=netbsdelf
fi
;;
*)
os=netbsd
;;
esac

# Determine ABI tags.
case "$\{UNAME_MACHINE_ARCH\}" in
earm*)
expr='s/^earmv\[0-9]/-eabi/;s/eb$///'
abi='`echo \${UNAME_MACHINE_ARCH} | sed -e "$expr\`"
;;
esac

# The OS release
# Debian GNU/NetBSD machines have a different userland, and
# thus, need a distinct triplet. However, they do not need
# kernel version information, so it can be replaced with a
# suitable tag, in the style of linux-gnu.
case "$\{UNAME_VERSION\}" in
Debian*)
release='-gnu'
;;
release=`echo ${UNAME_RELEASE} | sed -e 's/[-_].*/\1/' | cut -d. -f1,2`

# Since CPU_TYPE-MANUFACTURER-KERNEL-OPERATING_SYSTEM:
# contains redundant information, the shorter form:
# CPU_TYPE-MANUFACTURER-OPERATING_SYSTEM is used.
echo "${machine}-${os}${release}$[abi]"
exit ;

*:Bitrig:*:*)
UNAME_MACHINE_ARCH=`arch | sed 's/Bitrig.//'`
echo ${UNAME_MACHINE_ARCH}-unknown-bitrig${UNAME_RELEASE}
exit ;

*:OpenBSD:*:*)
UNAME_MACHINE_ARCH=`arch | sed 's/OpenBSD.//'`
echo ${UNAME_MACHINE_ARCH}-unknown-openbsd${UNAME_RELEASE}
exit ;

*:LibertyBSD:*:*)
UNAME_MACHINE_ARCH=`arch | sed 's/^.*BSD\.///'`
echo ${UNAME_MACHINE_ARCH}-unknown-libertybsd${UNAME_RELEASE}
exit ;

*:ekkoBSD:*:*)
echo ${UNAME_MACHINE}-unknown-ekkobsd${UNAME_RELEASE}
exit ;

*:SolidBSD:*:*)
echo ${UNAME_MACHINE}-unknown-solidbsd${UNAME_RELEASE}
exit ;

macppc:MirBSD:*:*)
echo powerpc-unknown-mirbsd${UNAME_RELEASE}
exit ;

*:MirBSD:*:*)
echo ${UNAME_MACHINE}-unknown-mirbsd${UNAME_RELEASE}
exit ;

*:Sortix:*:*)
echo ${UNAME_MACHINE}-unknown-sortix
exit ;

alpha:OSF1:*:*)
case $UNAME_RELEASE in
  *4.0)
    UNAME_RELEASE="/usr/sbin/sizer -v | awk '{print $3}'"
    ;;
  *5.0)
    UNAME_RELEASE="/usr/sbin/sizer -v | awk '{print $4}'"
    ;;
  esac

# According to Compaq, /usr/sbin/psrinfo has been available on
# OSF/1 and Tru64 systems produced since 1995. I hope that
# covers most systems running today. This code pipes the CPU
# types through head -n 1, so we only detect the type of CPU 0.
ALPHA_CPU_TYPE="/usr/sbin/psrinfo -v | sed -n -e 's/^  The alpha (.*) processor.*$/\1/p' | head -n 1"
case "$ALPHA_CPU_TYPE" in
  "EV4 (21064)"
    UNAME_MACHINE=alpha ;;
  "EV4.5 (21064)"
    UNAME_MACHINE=alpha ;;
  "LCA4 (21066/21068)"
    UNAME_MACHINE=alpha ;;
  "EV5 (21164)"
    UNAME_MACHINE=alphaev5 ;;
  "EV5.6 (21164A)"
    UNAME_MACHINE=alphaev5 ;;
  "EV5.6 (21164PC)"
    UNAME_MACHINE=alphapca56 ;;
  "EV5.7 (21164PC)"
    UNAME_MACHINE=alphapca57 ;;
  "EV6 (21264)"
    UNAME_MACHINE=alphaev6 ;;
  "EV6.7 (21264A)"
    UNAME_MACHINE=alphaev6 ;;
  "EV6.8CB (21264C)"
    UNAME_MACHINE=alphaev6 ;;
  "EV6.8AL (21264B)"
    UNAME_MACHINE=alphaev6 ;;
  "EV6.8CX (21264D)"
    UNAME_MACHINE=alphaev6 ;;
  "EV6.9A (21264/EV69A)"
    UNAME_MACHINE=alphaev6 ;;
  "EV7 (21364)"
    UNAME_MACHINE=alphaev7 ;;
  "EV7.9 (21364A)"
    UNAME_MACHINE=alphaev7 ;;
esac

# A Pn.n version is a patched version.
# A Vn.n version is a released version.
# A Tn.n version is a released field test version.
# A Xn.n version is an unreleased experimental baselevel.
# 1.2 uses "1.2" for uname -r.
echo $[UNAME_MACHINE]-dec-osf`echo ${UNAME_RELEASE} | sed -e 's/[^A-Z0-9]/-\&/g' | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz'` # Reset EXIT trap before exiting to avoid spurious non-zero exit code.
exitcode=$?
trap "0
exit $exitcode ;;
    Alpha\:*;Windows_NT*;*
# How do we know it's Interix rather than the generic POSIX subsystem?
# Should we change UNAME_MACHINE based on the output of uname instead
# of the specific Alpha model?
echo alpha-pc-interix
exit ;;
    21064:Windows_NT:50:3)
echo alpha-dec-winnt3.5
exit ;;
    Amiga*:UNIX_System_V:4.0:*)
echo m68k-unknown-sysv4
exit ;;
    *[Aa]miga([Oo][Ss]:*:*)
echo ${UNAME_MACHINE}-unknown-amigaos
exit ;;
    *[Mm]orph([Oo][Ss]:*:*)
echo ${UNAME_MACHINE}-unknown-morphos
exit ;;
    *:OS/390:*:*:
echo i370-ibm-openedition
exit ;;
    *:z/VM:*:*:
echo s390-ibm-zvmoe
exit ;;
    *:OS400:*:*:
echo powerpc-ibm-os400
exit ;;
    arm:RISC*:1.[012]*:arm:arm:1.[012]*:*)
echo arm-acorn-riscix$[UNAME_RELEASE]
exit ;;
    arm*:riscos:*:*:arm*:RISCOS:*:*:
echo arm-unknown-riscos
exit ;;
    SR2?01:HI-UX/MPP:*:* | SR8000:HI-UX/MPP:*:*:
echo hppa1.1-hitachi-hiuxmlpp
exit ;;
    Pyramid*:OSx:*:* | MIS*:OSx:*:* | MIS*:SMP_DC-OSx:*:*:
# akee@wpdis03.wpafb.af.mil (Earle F. Ake) contributed MIS and NILE.
if test "(/bin/universe) 2>/dev/null" = att ; then
echo pyramid-pyramid-sysv3
else
echo pyramid-pyramid-bsd
fi
exit ;;
    NILE*:*:*:dcosx)
echo pyramid-pyramid-svr4
exit ;;
    DRS?6000:unix:4.0:6*)
echo sparc-icl-nx6
exit ;;
    DRS?6000:UNIX_SV:4.2*:7* | DRS?6000:isis:4.2*:7*)
case `$/usr/bin/uname -p` in
  sparc) echo sparc-icl-nx7; exit ;;
  esac ;;
  s390x:SunOS:.*:*)
  echo $([UNAME_MACHINE]=ibm-solaris2); echo $([UNAME_RELEASE]); sed -e 's/[.]*//';
  exit ;;
  sun4H:SunOS:5.*:*)
  echo sparc-hal-solaris2; echo $([UNAME_RELEASE]); sed -e 's/[.]*//';
  exit ;;
  sun4*:SunOS:5.*: | tadpole*:SunOS:5.*:*)
  echo sparc-sun-solaris2; echo $([UNAME_RELEASE]); sed -e 's/[.]*//';
  exit ;;
  i86pc:AuroraUX:5.*: | i86xen:AuroraUX:5.*:*)
  echo i386-pc-auroraux$([UNAME_RELEASE])
  exit ;;
  i86pc:SunOS:5.*: | i86xen:SunOS:5.*:*)
  eval $set_cc_for_build
  SUN_ARCH=x86
  # If there is a compiler, see if it is configured for 64-bit objects.
  # Note that the Sun cc does not turn __LP64__ into 1 like gcc does.
  # This test works for both compilers.
  if [ "$CC_FOR_BUILD" != no_compiler_found ]; then
    if (echo '#ifdef __amd64'; echo IS_64BIT_ARCH; echo '#endif') | $(CCOPTS="" $CC_FOR_BUILD -E - 2>/dev/null) | grep IS_64BIT_ARCH >/dev/null
    then
      SUN_ARCH=x86_64
    fi
  fi
  echo $([SUN_ARCH]=pc-solaris2; echo $([UNAME_RELEASE]); sed -e 's/[.]*//';
  exit ;;
  sun4*:SunOS:6.*:*)
  # According to config.sub, this is the proper way to canonicalize
  # SunOS6. Hard to guess exactly what SunOS6 will be like, but
  # it's likely to be more like Solaris than SunOS4.
  echo sparc-sun-solaris3; echo $([UNAME_RELEASE]); sed -e 's/[.]*//';
  exit ;;
  sun4*:SunOS:*:*)
  case ""/usr/bin/arch -k"" in
    Series[s4]*)
    UNAME_RELEASE='uname -v'
    ;;
  esac
  # Japanese Language versions have a version number like `4.1.3-JL'.
  echo sparc-sun-sunos; echo $([UNAME_RELEASE]); sed -e 's/[.]*//';
  exit ;;
  sun3*:SunOS:*:*)
  echo m68k-sun-sunos$([UNAME_RELEASE])
exit ;;
sun*:.*:4.2BSD:*)
UNAME_RELEASE=`(sed 1q /etc/motd | awk '{print substr($5,1,3)}') 2>/dev/null`
test "x$UNAME_RELEASE" = x && UNAME_RELEASE=3
case ""/bin/arch"" in
  sun3)
echo m68k-sun-sunos${UNAME_RELEASE}
  ;;
  sun4)
echo sparc-sun-sunos${UNAME_RELEASE}
  ;;
esac
exit ;;
aushp:$OS:.*:)
echo sparc-auspex-sunos${UNAME_RELEASE}
exit ;;
# The situation for MiNT is a little confusing. The machine name
# can be virtually everything (everything which is not
# "atarist" or "atariste" at least should have a processor
# > m68000). The system name ranges from "MiNT" over "FreeMiNT"
# to the lowercase version "mint" (or "freemint"). Finally
# the system name "TOS" denotes a system which is actually not
# MiNT. But MiNT is downward compatible to TOS, so this should
# be no problem.
atarist[e]:*MiNT:.*: | atarist[e]:*mint:.*: | atarist[e]:*TOS:.*:)
echo m68k-atari-mint$[UNAME_RELEASE]
exit ;;
ataris*:.*MiNT:.*: | atarist*:.*mint:.*: | atarist[e]:*TOS:.*:)
echo m68k-atari-mint$[UNAME_RELEASE]
exit ;;
falcon*:.*MiNT:.*: | falcon*:.*mint:.*: | falcon*:.*TOS:.*:)
echo m68k-atari-mint$[UNAME_RELEASE]
exit ;;
milan*:.*MiNT:.*: | milan*:.*mint:.*: | milan*:.*TOS:.*:)
echo m68k-milan-mint$[UNAME_RELEASE]
exit ;;
hades*:.*MiNT:.*: | hades*:.*mint:.*: | hades*:.*TOS:.*:)
echo m68k-hades-mint$[UNAME_RELEASE]
exit ;;
*:.*MiNT:.*: | *:.*mint:.*: | *:.*TOS:.*:)
echo m68k-unknown-mint$[UNAME_RELEASE]
exit ;;
m68k:machten:.*:)
echo m68k-apple-machten$[UNAME_RELEASE]
exit ;;
powerpc:machten:.*:)
echo powerpc-apple-machten$[UNAME_RELEASE]
exit ;;
RISC*:Mach:*:*)
echo mips-dec-mach_bsd4.3
exit ;;

RISC*:ULTRIX:*:*)
echo mips-dec-ultrix\{UNAME\_RELEASE\}
exit ;;

VAX*:ULTRIX*:*)
echo vax-dec-ultrix\{UNAME\_RELEASE\}
exit ;;

2020:CLIX:*:* | 2430:CLIX:*:*)
echo clipper-intergraph-clix\{UNAME\_RELEASE\}
exit ;;

mips*:*:UMIPS | mips*:*:RISCos)
eval $set\_cc\_for\_build
sed 's/\t//' << EOF >\$dummy.c
#ifdef __cplusplus
#include <stdio.h> /* for printf() prototype */
int main (int argc, char *argv[]) {
#else
int main (argc, argv) int argc; char *argv[]; {
#endif
#if defined (host\_mips) && defined (MIPSEB)
#if defined (SYSTYPE\_SYSV)
printf ("mips-mips-riscos%ssysv\n", argv[1]); exit (0);
#else
printf ("mips-mips-riscos%ssvr4\n", argv[1]); exit (0);
#endif
#endif
#else
int main (argc, argv) int argc; char *argv[]; {
#endif
#if defined (host\_mips) && defined (MIPSEB)
#if defined (SYSTYPE\_SYSV)
printf ("mips-mips-riscos%ssysv\n", argv[1]); exit (0);
#else
printf ("mips-mips-riscos%ssvr4\n", argv[1]); exit (0);
#endif
#else
exit (-1);
}
EOF
SCC\_FOR\_BUILD -o \$dummy \$dummy\_c &&
dummy\_arg=`echo "\$\{UNAME\_RELEASE\}" | sed -n \`s/^[0-9]*\/\ˈ/ &&
SYSTEM\_NAME=`\$dummy \$dummy\_arg` &&
{ echo "\$\{SYSTEM\_NAME\}"; exit; }
echo mips-mips-riscos\{UNAME\_RELEASE\}
exit ;;

Motorola:PowerMAX\_OS:*:*)
echo powerpc-motorola-powermax
exit ;;

Motorola:*:4.3:PL8-*)
echo powerpc-harris-powermax
exit ;;

Night\_Hawk:*:*:PowerMAX\_OS | Synergy:PowerMAX\_OS:*:*
echo powerpc-harris-powermax
exit ::
    Night_Hawk:Power_UNIX:*:*)

echo powerpc-harris-powerunix
exit ::
    m88k:CX/UX:7*:*)

echo m88k-harris-cxux7
exit ::
    m88k:*:4*:R4*)

echo m88k-motorola-sysv4
exit ::
    m88k:*:3*:R3*)

echo m88k-motorola-sysv3

exit ::
    AViiON:dgux:*:*)
    # DG/UX returns AViiON for all architectures
    UNAME_PROCESSOR=`/usr/bin/uname -p`
    if [ $UNAME_PROCESSOR = mc88100 ] || [ $UNAME_PROCESSOR = mc88110 ]
    then
        if [ ${TARGET_BINARY_INTERFACE}x = m88kdguxelfx ] || 
           [ ${TARGET_BINARY_INTERFACE}x = x ]
        then
            echo m88k-dg-dgux${UNAME_RELEASE}
        else
            echo m88k-dg-dguxbcs${UNAME_RELEASE}
        fi
    else
        echo i586-dg-dgux${UNAME_RELEASE}
    fi

exit ::
    M88*:DolphinOS:*:*)
    # DolphinOS (SVR3)

echo m88k-dolphin-sysv3
exit ::
    M88*:.*:R3*:*)
    # Delta 88k system running SVR3

echo m88k-motorola-sysv3
exit ::
    XD88*:.*:*)
    # Tektronix XD88 system running UTekV (SVR3)

echo m88k-tektronix-sysv3
exit ::
    Tek43[0-9][0-9]:UTek:*:*)
    # Tektronix 4300 system running UTek (BSD)

echo m68k-tektronix-bsd
exit ::
    *:IRIX*:*)

echo mips-sgi-irix `echo ${UNAME_RELEASE}|sed -e 's/-/_/g'`
exit ::
    ?????????:AIX?:[12].1:2) # AIX 2.2.1 or AIX 2.1.1 is RT/PC AIX.

echo romp-ibm-aix  # uname -m gives an 8 hex-code CPU id
exit ;; # Note that: echo ""'uname -s'" gives 'AIX'
i*86:AIX:*:*)
  echo i386-ibm-aix
  exit ;;
i686:AIX:*:*)
if [-x /usr/bin/oslevel ] ; then
  IBM_REV="/usr/bin/oslevel"
else
  IBM_REV=${UNAME_VERSION}.${UNAME_RELEASE}
fi
  echo ${UNAME_MACHINE}-ibm-aix${IBM_REV}
  exit ::
*:AIX:2:3)
if grep bos325 /usr/include/stdio.h >/dev/null 2>&1; then
eval $set_cc_for_build
sed 's/^		//' << EOF >$dummy.c
#include <sys/systemcfg.h>
main()
{
if (!__power_pc())
  exit(1);
puts("powerpc-ibm-aix3.2.5");
exit(0);
}
EOF
if $CC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME=`$dummy`
then
echo "$SYSTEM_NAME"
else
echo rs6000-ibm-aix3.2.5
fi
elif grep bos324 /usr/include/stdio.h >/dev/null 2>&1; then
  echo rs6000-ibm-aix3.2.4
else
  echo rs6000-ibm-aix3.2
fi
exit ::
*:AIX:*:[4567])
IBM_CPU_ID="/sbin/lsdev -C -c processor -S available | sed 1q | awk '{ print $1 }'"
if /usr/sbin/lsattr -El ${IBM_CPU_ID} | grep ' POWER' >/dev/null 2>&1; then
  IBM_ARCH=rs6000
else
  IBM_ARCH=powerpc
fi
if [-x /usr/bin/lslpp ] ; then
  IBM_REV="/usr/bin/lslpp-Lqc bos.rte.libc |
    awk -F: '{ print $3 }' | sed s/[0-9]\*$/0/
else
  IBM_REV="/usr/bin/lslpp-Lqc bos.rte.libc |
    awk -F: '{ print $3 }' | sed s/[0-9]\*$/0/
"
else
IBM_REV=${[UNAME_VERSION].S[UNAME_RELEASE]}
fi
echo ${[IBM_ARCH]}.ibm-aix${[IBM_REV]}
exit ::
*:AIX:*:*)
else
IBM_REV=${UNAME_VERSION}.S[UNAME_RELEASE]
fi
echo ${IBM_ARCH}-ibm-aix
exit ::
ibmrt:4.4BSD:*|romp-ibm:BSD:*)
echo romp-ibm-bsd4.4
exit ::
ibmrt:*BSD:*|romp-ibm:BSD:*) # covers RT/PC BSD and
echo romp-ibm-bsdS[UNAME_RELEASE] # 4.3 with uname added to
test :: # report: romp-ibm BSD 4.3
*:BOSX:*:*)
echo rs6000-bull-bosx
exit ::
DPX/2?00:B.O.S.:*:*)
echo m68k-bull-sysv3
exit ::
9000/[34]?:.3bsd:1.*:*)
echo m68k-hp-bsd
exit ::
hp300:4.4BSD:*:* | 9000/[34]?:.3bsd:2.*:*)
echo m68k-hp-bsd4.4
exit ::
9000/[34678]?:.HP-UX:*:*)
HPUX_REV=`echo ${[UNAME_RELEASE]}.Sed -c 's/[^.]*.[^0B]*//'
case "$([UNAME_MACHINE])" in
9000/31? ) HP_ARCH=m68000 ;;
9000/[34]?? ) HP_ARCH=m68k ;;
9000/[678][0-9][0-9])
if [ -x /usr/bin/getconf ]; then
sc_cpu_version="/usr/bin/getconf SC_CPU_VERSION 2>/dev/null"
sc_kernel_bits="/usr/bin/getconf SC_KERNEL_BITS 2>/dev/null"
case "$([sc_cpu_version])" in
523) HP_ARCH=hppa1.0 ;; # CPU_PA_RISC1_0
528) HP_ARCH=hppa1.1 ;; # CPU_PA_RISC1_1
532) # CPU_PA_RISC2_0
case "$([sc_kernel_bits])" in
32) HP_ARCH=hppa2.0n ;;
64) HP_ARCH=hppa2.0w ;;
") HP_ARCH=hppa2.0 ;; # HP-UX 10.20
esac ;;
esac
fi
if [ "$([HP_ARCH])" == "" ]; then
eval $set_cc_for_build

sed 's/^//' << EOF >$dummy.c

#define _HPUX_SOURCE
#include <stdlib.h>
#include <unistd.h>

int main ()
{
#if defined(_SC_KERNEL_BITS)
    long bits = sysconf(_SC_KERNEL_BITS);
#endif
    long cpu  = sysconf (_SC_CPU_VERSION);

    switch (cpu)
    {
    case CPU_PA_RISC1_0: puts ("hppa1.0"); break;
    case CPU_PA_RISC1_1: puts ("hppa1.1"); break;
    case CPU_PA_RISC2_0:
        #if defined(_SC_KERNEL_BITS)
            switch (bits)
            {
            case 64: puts ("hppa2.0w"); break;
            case 32: puts ("hppa2.0n"); break;
            default: puts ("hppa2.0"); break;
            } break;
        #else /* !defined(_SC_KERNEL_BITS) */
            puts ("hppa2.0"); break;
        #endif
    default: puts ("hppa1.0"); break;
    }
    exit (0);
}
EOF

(CCOPTS="" SCC_FOR_BUILD -o $dummy $dummy.c 2>/dev/null) && HP_ARCH=`$dummy`
test -z "$HP_ARCH" && HP_ARCH=hppa
fi ;;
esac
if [ $HP_ARCH = hppa2.0w ]
then
    eval $set_cc_for_build
    # hppa2.0w-hp-hpux* has a 64-bit kernel and a compiler generating
    # 32-bit code. hppa64-hp-hpux* has the same kernel and a compiler
    # generating 64-bit code. GNU and HP use different nomenclature:
    #
    # $ CC_FOR_BUILD=cc ./config.guess
    # => hppa2.0w-hp-hpux11.23
    # => hppa2.0w-hp-hpux11.23
    # $ CC_FOR_BUILD="cc +DA2.0w" ./config.guess
if echo __LP64__ | (CCOPTS="" $CC_FOR_BUILD -E - 2>/dev/null) |
grep -q __LP64__
then
HP_ARCH=hppa2.0w
else
HP_ARCH=hppa64
fi
fi
echo ${HP_ARCH}-hp-hpux${HPUX_REV}
exit ;;
cia64:HP-UX::*
HPUX_REV=`echo ${UNAME_RELEASE}|sed -e 's/[^.]*.[0B]*//'
echo ia64-hp-hpux${HPUX_REV}
exit ;;
3050*:HI-UX::*
eval $set_cc_for_build
sed 's/^// << EOF >$dummy.c
#include <unistd.h>
int main ()
{
    long cpu = sysconf (_SC_CPU_VERSION);
    /* The order matters, because CPU_IS_HP_MC68K erroneously returns
        true for CPU_PA_RISC1_0.  CPU_IS_PA_RISC returns correct
        results, however.  */
    if (CPU_IS_PA_RISC (cpu))
    {
        switch (cpu)
        {
        case CPU_PA_RISC1_0: puts ("hppa1.0-hitachi-hiuxwe2"); break;
        case CPU_PA_RISC1_1: puts ("hppa1.1-hitachi-hiuxwe2"); break;
        case CPU_PA_RISC2_0: puts ("hppa2.0-hitachi-hiuxwe2"); break;
        default: puts ("hppa-hitachi-hiuxwe2"); break;
        }
    } else if (CPU_IS_HP_MC68K (cpu))
    {
        puts ("m68k-hitachi-hiuxwe2");
        else puts ("unknown-hitachi-hiuxwe2");
        exit (0);
    }
    EOF
$CC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME=`$dummy` &&
    { echo "$SYSTEM_NAME"; exit; }
echo unknown-hitachi-hiuxwe2
exit ;;
9000/7??:4.3bsd::* | 9000/87[79]:4.3bsd::* )
echo hppa1.1-hp-bsd
exit ::
    9000/8???:4.3bsd:*:*)
echo hppa1.0-hp-bsd
exit ::
    *9???*:MPE/iX:*:* | *3000*:MPE/iX:*:*)
echo hppa1.0-hp-mpeix
exit ::
    hp7???:OSF1:*:* | hp8?[79]:OSF1:*:* )
echo hppa1.1-hp-osf
exit ::
    hp8???:OSF1:*:*):
echo hppa1.0-hp-osf
exit ::
    i*86:OSF1:*:*)
if [-x /usr/sbin/sysversion ] ; then
    echo ${UNAME_MACHINE}-unknown-osf1mk
else
    echo ${UNAME_MACHINE}-unknown-osf1
fi
exit ::
    parisc*:Lites*:*:*)
echo hppa1.1-hp-lites
exit ::
    C1*:ConvexOS:*:* | convex:ConvexOS:C1*:*)
echo c1-convex-bsd
exit ::
    C2*:ConvexOS:*:* | convex:ConvexOS:C2*:*)
if getsysinfo -f scalar_acc
then echo c32-convex-bsd
else echo c2-convex-bsd
fi
exit ::
    C34*:ConvexOS:*:* | convex:ConvexOS:C34*:*)
echo c34-convex-bsd
exit ::
    C38*:ConvexOS:*:* | convex:ConvexOS:C38*:*)
echo c38-convex-bsd
exit ::
    C4*:ConvexOS:*:* | convex:ConvexOS:C4*:*)
echo c4-convex-bsd
exit ::
    CRAY*Y-MP:*:*:*)
echo ymp-cray-unicos$[UNAME_RELEASE] | sed -e 's/[.]*$/X/'
exit ::
    CRAY*[A-Z]90:*:*:*)
echo ${UNAME_MACHINE}-cray-unicos$[UNAME_RELEASE] \
| sed -e 's/CRA.$([A-Z]90)/\1/ \

echo '${UNAME_MACHINE}-pc-cygwin'
exit ::
  *:MINGW64*:*)
echo '${UNAME_MACHINE}-pc-mingw64'
exit ::
  *:MINGW*:*)
echo '${UNAME_MACHINE}-pc-mingw32'
exit ::
  *:MSYS*:*)
echo '${UNAME_MACHINE}-pc-msys'
exit ::
    i*:windows32:*:*)
  # uname -m includes "-pc" on this system.
echo '${UNAME_MACHINE}-mingw32'
exit ::
    i*:PW*:*)
echo '${UNAME_MACHINE}-pc-pw32'
exit ::
    *:Interix*:*)
case '${UNAME_MACHINE}' in
  x86)
echo i586-pc-interix$[UNAME_RELEASE]
exit ::
    authenticamd | genuineintel | EM64T)
echo x86_64-unknown-interix$[UNAME_RELEASE]
exit ::
    IA64)
echo ia64-unknown-interix$[UNAME_RELEASE]
exit ::
esac ::
echo i$[UNAME_MACHINE]-pc-mks
exit ::
  8664:Windows_NT:*)
echo x86_64-pc-mks
exit ::
    i*:Windows_NT*:* | Pentium*:Windows_NT*:*)
  # How do we know it's Interix rather than the generic POSIX subsystem?
  # It also conflicts with pre-2.0 versions of AT&T UWIN. Should we
  # ${UNAME_MACHINE} based on the output of uname instead of i386?
echo i586-pc-interix
exit ::
    i*:UWIN*:*)
echo '$[UNAME_MACHINE]-pc-uwin
exit ::
    amd64:CYGWIN*:*:* | x86_64:CYGWIN*:*:*)
echo x86_64-unknown-cygwin
exit ::
p*:CYGWIN*:*)
echo powerpcle-unknown-cygwin
exit ;;
prep*:SunOS:5.*:*)
echo powerpcle-unknown-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[^-]*$,//'`
exit ;;
*:GNU:*:*)
# the GNU system
echo `echo ${UNAME_MACHINE}|sed -e 's,[^-]*$,,g'`-unknown-${LIBC}`echo ${UNAME_RELEASE}|sed -e 's,^-[\-]*,,'`
exit ;;
*:GNU/*:*:*)
# other systems with GNU libc and userland
echo ${UNAME_MACHINE}-unknown-`echo ${UNAME_SYSTEM} | sed 's,^\[^/\] */,,' | tr "[:upper:]" "[:lower:]"`-`echo ${UNAME_RELEASE}|sed -e 's,^-[\-]*,,'`
exit ;;
i*86:Minix:*:*)
echo ${UNAME_MACHINE}-pc-minix
exit ;;
arch64:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
arch64_be:Linux:*:*)
UNAME_MACHINE=arch64_be
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
alpha:Linux:*:*)
case `sed -n '/^cpu model/s/^.*: \([^/]*\)\/\?/p' < /proc/cpuinfo` in
  EV5)   UNAME_MACHINE=alphaev5 ;;
  EV56)  UNAME_MACHINE=alphaev56 ;;
  PCA56) UNAME_MACHINE=alphapca56 ;;
  PCA57) UNAME_MACHINE=alphapca56 ;;
  EV6)   UNAME_MACHINE=alphaev6 ;;
  EV67)  UNAME_MACHINE=alphaev67 ;;
  EV68*) UNAME_MACHINE=alphaev68 ;;
esac
objdump --private-headers /bin/sh | grep -q ld.so.1
if test "$?" = 0 ; then LIBC=gnulibc1 ; fi
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
arc:Linux:*:* | arceb:Linux:*:*)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
arm*:Linux:*:*)
eval $set_cc_for_build
if echo __ARM_EABI__ | SCC_FOR_BUILD -E - 2>/dev/null
    | grep -q __ARM_EABI__
then
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
else
  if echo __ARM_PCS_VFP | $CC_FOR_BUILD -E - 2>/dev/null \| grep -q __ARM_PCS_VFP
    then
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}eabi
  else
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}eabihf
  fi
fi
exit ::
  avr32*:Linux:*::
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
  exit ::
  cris:Linux::*
  echo ${UNAME_MACHINE}-axis-linux-${LIBC}
  exit ::
  crisv32:Linux::*
  echo ${UNAME_MACHINE}-axis-linux-${LIBC}
  exit ::
  e2k:Linux::*
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
  exit ::
  frv:Linux::*
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
  exit ::
  hexagon:Linux::*
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
  exit ::
  i*86:Linux::*
  echo ${UNAME_MACHINE}-pc-linux-${LIBC}
  exit ::
  ia64:Linux::*
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
  exit ::
  k1om:Linux::*
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
  exit ::
  m32r*:Linux::*
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
  exit ::
  m68*:Linux::*
  echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
  exit ::
  mips:Linux::* | mips64:Linux::*
eval $set_cc_for_build
sed 's/\*/ < EOF >$dummy.c
#undef CPU
```c
# undef ${UNAME_MACHINE}
# undef ${UNAME_MACHINE}el
#if defined(__MIPSEL__) || defined(__MIPSEL__) || defined(_MIPSEL) || defined(MIPSEL)
CPU=${UNAME_MACHINE}el
#else
#if defined(__MIPSEB__) || defined(__MIPSEB__) || defined(_MIPSEB) || defined(MIPSEB)
CPU=${UNAME_MACHINE}
#else
CPU=
#endif
#endif
EOF
eval `CC_FOR_BUILD -E $dummy.c 2>/dev/null | grep '^CPU'
test x"${CPU}" != x && { echo "${CPU}-unknown-linux-${LIBC}"; exit; }
::
  openrisc*:Linux:*:* *)
echo or1k-unknown-linux-${LIBC}
exit ::
  or32:Linux:*:* | or1k*:Linux:*:* *)
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ::
  padre:Linux:*:* *)
echo sparc-unknown-linux-${LIBC}
exit ::
  parisc64:Linux:*:* | hppa64:Linux:*:* *)
echo hppa64-unknown-linux-${LIBC}
exit ::
  parisc:Linux:*:* | hppa:Linux:*:* *)
# Look for CPU level
case `grep '^cpu[^a-z]*:' /proc/cpuinfo 2>/dev/null | cut -d' ' -f2` in
  PA7*) echo hppa1.1-unknown-linux-${LIBC} ::
  PA8*) echo hppa2.0-unknown-linux-${LIBC} ::
  *) echo hppa-unknown-linux-${LIBC} ::
esac
exit ::
  ppc64:Linux:*:* *)
echo powerpc64-unknown-linux-${LIBC}
exit ::
  ppc:Linux:*:* *)
echo powerpc-unknown-linux-${LIBC}
exit ::
  ppc64le:Linux:*:* *)
echo powerpc64le-unknown-linux-${LIBC}
exit ::
  ppcle:Linux:*:* *)
echo powerpcle-unknown-linux-${LIBC}
exit ::
  s390:Linux:*:* | s390x:Linux:*:* *)
```

echo ${UNAME_MACHINE}-ibm-linux-${LIBC}
exit ::
    sh64*:Linux::*:*)

echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ::
    sh*:Linux::*:*)

echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ::
    sparc:Linux::*:* | sparc64:Linux::*:*)

echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ::
    tile*:Linux::*:*)

echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ::
    vax:Linux::*:*)

echo ${UNAME_MACHINE}-dec-linux-${LIBC}
exit ::
    x86_64:Linux::*:*)

echo ${UNAME_MACHINE}-pc-linux-${LIBC}
exit ::
    xtensa*:Linux::*:*)

echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ::
    i*86:DYNIX/ptx:4*:*)
    # ptx 4.0 does uname -s correctly, with DYNIX/ptx in there.
    # earlier versions are messed up and put the nodename in both
    # sysname and nodename.
    echo i386-sequent-sysv4
    exit ::
    i*86:UNIX_SV:4.2MP:2.*)
    # Unixware is an offshoot of SVR4, but it has its own version
    # number series starting with 2...
    # I am not positive that other SVR4 systems won't match this,
    # I just have to hope. -- rms.
    # Use sysv4.2uw... so that sysv4* matches it.
    echo ${UNAME_MACHINE}-pc-sysv4.2uw${UNAME_VERSION}
    exit ::
    i*86:OS/2::*:*)
    # If we were able to find `uname', then EMX Unix compatibility
    # is probably installed.
    echo ${UNAME_MACHINE}-pc-os2-emx
    exit ::
    i*86:XTS-300::*:STOP)

echo ${UNAME_MACHINE}-unknown-stop
exit ::
    i*86:atheos::*:*)

echo ${UNAME_MACHINE}-unknown-atheos
exit ::
```
i*86:syllable:*:*)
echo ${UNAME_MACHINE}-pc-syllable
exit ;;
i*86:LynxOS:2.*: | i*86:LynxOS:3.[01]*: | i*86:LynxOS:4.[02]*:*)
echo i386-unknown-lynxos${UNAME_RELEASE}
exit ;;
i*86:*DOS:*:*)
echo ${UNAME_MACHINE}-pc-msdosdjgpp
exit ;;
i*86:*:4.*: | i*86:SYSTEM_V:4.*:*)
UNAME_REL=`echo ${UNAME_RELEASE} | sed 's//MP$//'`
if grep Novell /usr/include/link.h >/dev/null 2>/dev/null; then
  echo ${UNAME_MACHINE}-univel-sysv${UNAME_REL}
else
  echo ${UNAME_MACHINE}-pc-sysv${UNAME_RELEASE}
fi
exit ;;
i*86:*:5:[678]*)
# UnixWare 7.x, OpenUNIX and OpenServer 6.
case `/bin/uname -X | grep '^Machine'` in
  *486*)
    UNAME_MACHINE=i486 ;;
  *Pentium*)
    UNAME_MACHINE=i586 ;;
  *Pent*|*Celeron*)
    UNAME_MACHINE=i686 ;;
esac
echo ${UNAME_MACHINE}-unknown-sysv${UNAME_RELEASE}${UNAME_SYSTEM}${UNAME_VERSION}
exit ;;
i*86:*:3.2:*)
if test -f /usr/options/cb.name; then
  UNAME_REL=`sed -n 's/.*Version //p' </usr/options/cb.name`
  echo ${UNAME_MACHINE}-pc-isc$UNAME_REL
else
  (/bin/uname -X 2>/dev/null >/dev/null ; then
    UNAME_REL=`/bin/uname -X|grep Release|sed -e 's/.*= //')
    (/bin/uname -X|grep '^Machine.*Pentium' >/dev/null) &&
    (/bin/uname -X|grep '^Machine.*Pentium Pro' >/dev/null) &&
    UNAME_MACHINE=i686
  /(&&
    UNAME_MACHINE=i686
  )
  echo ${UNAME_MACHINE}-pc-sco$UNAME_REL
else
  echo ${UNAME_MACHINE}-pc-sysv32
fi
exit ;;
```

# Left here for compatibility:
# uname -m prints for DJGPP always 'pc', but it prints nothing about
# the processor, so we play safe by assuming i586.
# Note: whatever this is, it MUST be the same as what config.sub
# prints for the "djgpp" host, or else GDB configure will decide that
# this is a cross-build.
echo i586-pc-msdosdjgpp
exit ;;
    Intel:Mach:3*:*)
echo i386-pc-mach3
exit ;;
    paragon:*:*:*)
echo i860-intel-osf1
exit ;;
i860:*:*:*:4.*:*) # i860-SVR4
if grep Stardent /usr/include/sys/uadmin.h >/dev/null 2>&1 ; then
echo i860-stardent-sysv$[UNAME_RELEASE] # Stardent Vistra i860-SVR4
else # Add other i860-SVR4 vendors below as they are discovered.
echo i860-unknown-sysv$[UNAME_RELEASE] # Unknown i860-SVR4
fi
exit ;;
    mini*:CTIX:SYS*5:*)
# "miniframe"
echo m68010-convergent-sysv
exit ;;
    mc68k:UNIX:SYSTEM5:3.51m)
echo m68k-convergent-sysv
exit ;;
    M680?0:D-NIX:5.3:*)
echo m68k-diab-dnix
exit ;;
    M68*:R3V[5678]*:*)
test -r /sysV68 && { echo 'm68k-motorola-sysv'; exit; } ;;
    3[345]??:*:4.0:3.0 | 3[34]??:*:4.0:3.0 | 3[34]??:*:4.0:3.0 | 3[34]??:*:*:4.0:3.0 | 3[34]??:*:*:*:4.0:3.0 | 4400:*:4.0:3.0 | 4850:*:4.0:3.0 | SKA40:*:4.0:3.0 | SDS2*:4.0:3.0 | SHG2*:4.0:3.0 | S7501*:4.0:3.0
    OS_REL=""
    OS_REL="" test -r /etc/.relid 
    OS_REL=.`sed -n 's/^[^ ]\[0-9]\[0-9\]\[0-9\]\[0-9\]\[0-9\]\[0-9\].*/\1/p' < /etc/.relid`
    /bin/uname -p 2>/dev/null | grep 86 >/dev/null 
    && { echo i486-ncr-syvsysv4.3S[OS_REL]; exit; } ;;
    /bin/uname -p 2>/dev/null | /bin/grep entium >/dev/null 
    && { echo i586-ncr-syvsysv4.3S[OS_REL]; exit; } ;;
    3[34]??:*:4.0:* | 3[34]??:*:*:4.0:*
    /bin/uname -p 2>/dev/null | grep 86 >/dev/null 
    && { echo i486-ncr-syvsyv4; exit; } ;;
    NCR*:.*:4.2:* | MPRAS*:.*:4.2:*)
    OS_REL="3"
    test -r /etc/.relid 
    && OS_REL=.`sed -n 's/^[^ ]\[0-9]\[0-9\]\[0-9\]\[0-9\]\[0-9\]\[0-9\].*/\1/p' < /etc/.relid`
    /bin/uname -p 2>/dev/null | grep 86 >/dev/null 


```
&& { echo i486-ncr-sysv4.3${OS_REL}; exit; }
/bin/uname -p 2>/dev/null /bin/grep entium >/dev/null \
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; }
/bin/uname -p 2>/dev/null /bin/grep pteron >/dev/null \
&& { echo i586-ncr-sysv4.3${OS_REL}; exit; } ::
m68*:LynxOS:2./*:* | m68*:LynxOS:3.0/*:*)
echo m68k-unknown-lynxos${UNAME_RELEASE}
exit ::
mc68030:UNIX_System_V:4./*:*)
echo m68k-atari-sysv4
exit ::
TSUNAMI:LynxOS:2./*:*)
echo sparc-unknown-lynxos${UNAME_RELEASE}
exit ::
r66000:unknown-lynxos${UNAME_RELEASE}
exit ::
   PowerPC:LynxOS:2./*:* | PowerPC:LynxOS:3.01/*:* | PowerPC:LynxOS:4.02/*:*)
echo powerpc-unknown-lynxos${UNAME_RELEASE}
exit ::
SM[BE]:UNIX_SV:*:*)
echo mips-dde-sysv${UNAME_RELEASE}
exit ::
   RM*:ReliantUNIX:*:*)
echo mips-sni-sysv4
exit ::
   RM*:SINIX:*:*)
echo mips-sni-sysv4
exit ::
   SINIX:*:*)
if uname -p 2>/dev/null >/dev/null ; then
   UNAME_MACHINE=’(uname -p) 2>/dev/null’
echo $[UNAME_MACHINE]-sni-sysv4
else
   echo ns32k-sni-sysv
fi
exit ::
PENTIUM:*:4.0:*:*)# Unisys `ClearPath HMP IX 4000' SVR4/MP effort
# says <Richard.M.Bartel@ccMail.Census.GOV>
echo i586-unisys-sysv4
exit ::
   UNIX_System_V:4:*:FTX*)
# From Gerald Hewes <hewes@openmarket.com>.
# How about differentiating between stratus architectures? -dj
echo hppa1.1-stratus-sysv4
exit ::
   UNIX_System_V:4:*:FTX*)
# From seanf@swdc.stratus.com.
```
echo i860-stratus-sysv4
exit ::
    i*86:VOS:*:*)
# From Paul.Green@stratus.com.
echo ${UNAME_MACHINE}-stratus-vos
exit ::
    *:VOS:*:*)
# From Paul.Green@stratus.com.
echo hppa1.1-stratus-vos
exit ::
    me68*:A/UX:*:*)
echo m68k-apple-aux${UNAME_RELEASE}
exit ::
    news*:NEWS-OS:6*:*)
echo mips-sony-newsos6
exit ::
    R[34]000:*System_V*:*: | R4000:UNIX_SYSV:*: | R*000:UNIX_SV:*:*)
if [-d /usr/nec ]; then
echo mips-nec-sysv${UNAME_RELEASE}
else
echo mips-unknown-sysv${UNAME_RELEASE}
fi
exit ::
    BeBox:BeOS:*:*)# BeOS running on hardware made by Be, PPC only.
echo powerpc-be-beos
exit ::
    BeMac:BeOS:*:*)# BeOS running on Mac or Mac clone, PPC only.
echo powerpc-apple-beos
exit ::
    BePC:BeOS:*:*)# BeOS running on Intel PC compatible.
echo i586-pc-beos
exit ::
    BePC:Haiku:*:*)# Haiku running on Intel PC compatible.
echo i586-pc-haiku
exit ::
    x86_64:Haiku:*:*)
echo x86_64-haiku
exit ::
    SX-4:SUPER-UX:*:*)
echo sx4-nec-superux${UNAME_RELEASE}
exit ::
    SX-5:SUPER-UX:*:*)
echo sx5-nec-superux${UNAME_RELEASE}
exit ::
    SX-6:SUPER-UX:*:*)
echo sx6-nec-superux${UNAME_RELEASE}
exit ::
    SX-7:SUPER-UX:*:*)
echo sx7-nec-superux$[UNAME_RELEASE]
exit ;;
SX-8:SUPER-UX:*:*:*)
echo sx8-nec-superux$[UNAME_RELEASE]
exit ;;
SX-8R:SUPER-UX:*:*:*)
echo sx8r-nec-superux$[UNAME_RELEASE]
exit ;;
SX-ACE:SUPER-UX:*:*:*)
echo sxace-nec-superux$[UNAME_RELEASE]
exit ;;
Power*:Rhapsody:*:*:*)
echo powerpc-apple-rhapsody$[UNAME_RELEASE]
exit ;;
*:Rhapsody:*:*:*)
echo $[UNAME_MACHINE]-apple-rhapsody$[UNAME_RELEASE]
exit ;;
*:Darwin:*:*:*)
UNAME_PROCESSOR=`uname -p` || UNAME_PROCESSOR=unknown
eval $set_cc_for_build
if test "$UNAME_PROCESSOR" = unknown ; then
  UNAME_PROCESSOR=powerpc
fi
if test `echo "$UNAME_RELEASE" | sed 's/\..*/\0' -le 10 ; then
  if [ "$CC_FOR_BUILD" != no_compiler_found ]; then
    if (echo '#ifdef __LP64__'; echo IS_64BIT_ARCH; echo '#endif') | 
      (CCOPTS="" SCC_FOR_BUILD -E - 2>/dev/null) | 
    grep IS_64BIT_ARCH >/dev/null
then
  case $UNAME_PROCESSOR in
  i386) UNAME_PROCESSOR=x86_64 ;;
powerpc) UNAME_PROCESSOR=powerpc64 ;;
esac
fi
else test "$UNAME_PROCESSOR" = i386 ; then
  # Avoid executing cc on OS X 10.9, as it ships with a stub
  # that puts up a graphical alert prompting to install
  # developer tools. Any system running Mac OS X 10.7 or
  # later (Darwin 11 and later) is required to have a 64-bit
  # processor. This is not true of the ARM version of Darwin
  # that Apple uses in portable devices.
  UNAME_PROCESSOR=x86_64
fi
echo $[UNAME_PROCESSOR]-apple-darwin$[UNAME_RELEASE]
exit ;;
*:proceto:*:*: | *:QNX:[0123456789]*:*:)
UNAME_PROCESSOR=`uname -p`
if test "$UNAME_PROCESSOR" = x86; then
UNAME_PROCESSOR=i386
UNAME_MACHINE=pc
fi

echo ${UNAME_PROCESSOR}-${UNAME_MACHINE}-nto-qnx${UNAME_RELEASE}
exit ;;
*:QNX:*:4*)
echo i386-pc-qnx
exit ;;

NEO-?:NONSTOP_KERNEL:*:*)
echo neo-tandem-nsk${UNAME_RELEASE}
exit ;;
NSE-*:NONSTOP_KERNEL:*:*)
echo nse-tandem-nsk${UNAME_RELEASE}
exit ;;
NSR-?:NONSTOP_KERNEL:*:*)
echo nsr-tandem-nsk${UNAME_RELEASE}
exit ;;
*:NonStop-UX:*:*)
echo mips-compaq-nonstopux
exit ;;
BS2000:POSIX*:*)
echo bs2000-siemens-sysv
exit ;;
DS/*/UNIX_System_V:*:*)
echo ${UNAME_MACHINE}-${UNAME_SYSTEM}-${UNAME_RELEASE}
exit ;;
*:Plan9:*:*)
# "uname -m" is not consistent, so use $cputype instead. 386
# is converted to i386 for consistency with other x86
# operating systems.
if test "$cputype" = 386; then
UNAME_MACHINE=i386
else
UNAME_MACHINE="$cputype"
fi

echo ${UNAME_MACHINE}-unknown-plan9
exit ;;
*:TOPS-10:*:*)
echo pdp10-unknown-tops10
exit ;;
*:TENEX:*:*)
echo pdp10-unknown-tenex
exit ;;
KS10:TOPS-20:*: | KL10:TOPS-20:*: | TYPE4:TOPS-20:*:)
echo pdp10-dec-tops20
exit ;;
XKL-1:TOPS-20:*: | TYPE5:TOPS-20:*:)

Open Source Used In NAE (version 4.1) 4.1.1.43251
echo pdp10-xkl-tops20
exit ;;
*:TOPS-20:*:*)

echo pdp10-unknown-tops20
exit ;;
*:ITS:*:*)

echo pdp10-unknown-its
exit ;;
SEI:*:*:SEIUX)
echo mips-sei-seiux\${UNAME_RELEASE}
exit ;;
*:DragonFly:*:*)
echo $\{UNAME_MACHINE\}-unknown-dragonfly`echo $\{UNAME_RELEASE\}|sed -e 's/[-(].*//'`
exit ;;
*:VMS:*:*)

UNAME_MACHINE=`(uname -p) 2>/dev/null`
case "$\{UNAME_MACHINE\}" in
  A*) echo alpha-dec-vms ; exit ;;
  I*) echo ia64-dec-vms ; exit ;;
  V*) echo vax-dec-vms ; exit ;;
esac ;;
*:XENIX:*:*)
echo i386-pc-xenix
exit ;;
i*86:skyos:*:*)
echo $\{UNAME_MACHINE\}-pc-skyos`echo $\{UNAME_RELEASE\} | sed -e 's/.*$//'
exit ;;
i*86:rdos:*:*)
echo $\{UNAME_MACHINE\}-pc-rdos
exit ;;
i*86:AROS:*:*)
echo $\{UNAME_MACHINE\}-pc-aros
exit ;;
x86_64:VMkernel:*:*)
echo $\{UNAME_MACHINE\}-unknown-esx
exit ;;
amd64:Isilon\ OneFS:*:*)
echo x86_64-unknown-onefs
exit ;;
esac

cat >&2 <<EOF
$0: unable to guess system type
EOF

This script (version $timestamp), has failed to recognize the operating system you are using. If your script is old, overwrite config.guess and config.sub with the latest versions from:
If $0$ has already been updated, send the following data and any information you think might be pertinent to config-patches@gnu.org to provide the necessary information to handle your system.

```plaintext
config.guess timestamp = $timestamp

uname -m = `(uname -m) 2>/dev/null || echo unknown`
uname -r = `(uname -r) 2>/dev/null || echo unknown`
uname -s = `(uname -s) 2>/dev/null || echo unknown`
uname -v = `(uname -v) 2>/dev/null || echo unknown`

/bin/uname -m = `(/bin/uname -m) 2>/dev/null`
/bin/uname -r = `(/bin/uname -r) 2>/dev/null`
/bin/uname -s = `(/bin/uname -s) 2>/dev/null`
/bin/uname -v = `(/bin/uname -v) 2>/dev/null`

hostinfo               = `(hostinfo) 2>/dev/null`
/bin/universe          = `(/bin/universe) 2>/dev/null`
/usr/bin/arch -k       = `(/usr/bin/arch -k) 2>/dev/null`
/bin/arch              = `(/bin/arch) 2>/dev/null`
/usr/bin/oslevel       = `(/usr/bin/oslevel) 2>/dev/null`
/usr/convex/getsyinfo = `(/usr/convex/getsyinfo) 2>/dev/null`

UNAME_MACHINE = ${UNAME_MACHINE}
UNAME_RELEASE = ${UNAME_RELEASE}
UNAME_SYSTEM  = ${UNAME_SYSTEM}
UNAME_VERSION = ${UNAME_VERSION}
EOF
```

exit 1

# Local variables:
# eval: (add-hook 'write-file-hooks 'time-stamp)
# time-stamp-start: "timestamp="
# time-stamp-format: "%:y-%02m-%02d"
# time-stamp-end: ""
# End:
/*$OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $ */

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*/

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

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#endif

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

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
    /* the following are currently not implemented */
    #define POLLPRI 0x0002
    #define POLLRDND 0x0040
    #define POLLNORM POLLRDNORM
    #define POLLWRNORM POLLOUT
    #define POLLRDBND 0x0080
    #define POLLWRBND 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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 *
 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)
#endif

#endif /* _BSD_WAITPID_H */
/* Prototype */

pid_t waitpid(int, int *, int);

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

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Julian Seward, Cambridge, UK.
jseward@acm.org
bzip2/libbzip2 version 1.0.2 of 30 December 2001

/*
minibz2
libbz2.dll test program.
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usage: minibz2 [-d] [-{1,2,..9}] [[srcfilename] destfilename]
*/

1.258 apache-log4j 1.2.15
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1.261 perl-exporter 5.68-3.el7

1.262 log4j-api 2.11.1

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

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the 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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e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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1.271 pcre 2.56.1 5.el7
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1.272 ribbon-loadbalancer 2.2.5

1.273 zlib 1.2.11

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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1.274 nio-multipart-parser 1.1.0

1.275 passwd 0.79 5.el7
1.275.1 Available under license :


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1.277 apache-log4j 2.11.1

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1.279 spring-retry 1.2.2

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

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

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

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Appendix: How to Apply These Terms to Your New Libraries

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necessarily. Here is a sample; alter the names:

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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!

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

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Linus Torvalds
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associated interface definition files, plus the scripts used to
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(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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1.301 spring-cloud-starter-config 2.0.0.rc2

1.302 jackson-databind 2.9.9
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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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1.307 keyutils 1.5.8 3.el7

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

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

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

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

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

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

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

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

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

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user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

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

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
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1.316 apache-log4j 1.2.16

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1.317 jopt-simple 5.0.2

1.318 cpio 2.11 27.el7
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1.321 spring-boot-actuator-autoconfigure

2.0.1

1.322 mx4j 3.0.2

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1.323 make 3.82 24.el7

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1.329 gobject-introspection 1.56.1 1.el7

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1.342 jetty-security 9.2.22.v20170606

1.343 spring-boot-starter 2.0.1

1.344 kafka 1.0.1 2

1.344.1 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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1.361 json-patch 1.6

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1.363 snappy-java 1.1.4

1.364 beanshell 2.0b6

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1.370 servlet-api 2.5

1.371 threetenbp 1.4.0

1.372 grub 2.02 0.80.el7.centos

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From: dann frazier <dann.frazier@canonical.com>
Date: Thu, 21 May 2015 10:28:48 -0600
Subject: [PATCH] arm64/setjmp: Add missing license macro

Including the setjmp module in an arm64-efi image will cause it to immediately exit with an "incompatible license" error.

The source file includes a GPLv3+ boilerplate, so fix this by declaring a GPLv3+ license using the GRUB_MOD_LICENSE macro.

Signed-off-by: dann frazier <dann.frazier@canonical.com>

---

diff --git a/grub-core/lib/arm64/setjmp.S b/grub-core/lib/arm64/setjmp.S
index adaafe40f71..eabfd99b296 100644
--- a/grub-core/lib/arm64/setjmp.S
+++ b/grub-core/lib/arm64/setjmp.S
@@ -17,8 +17,10 @@

#include <grub/symbol.h>
+include <grub/dl.h>

.file "setjmp.S"
+GRUB_MOD_LICENSE "GPLv3+
.text

/*

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Version 3, 29 June 2007

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From 0000000000000000000000000000000000000000 Mon Sep 17 00:00:00 2001
From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200
Subject: [PATCH] * grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to EFI system table.

---
grub-core/loader/i386/bsd.c | 8 ++++++++ 
include/grub/i386/netbsd_bootinfo.h | 7 +++++++ 
ChangeLog | 5 +++++ 
3 files changed, 20 insertions(+)

diff --git a/grub-core/loader/i386/bsd.c b/grub-core/loader/i386/bsd.c
index 41ef9109ee1..8f691e0e2d1 100644
--- a/grub-core/loader/i386/bsd.c
+++ b/grub-core/loader/i386/bsd.c
@@ -1145,6 +1145,14 @@ grub_netbsd_boot (void)
 if (err)
 return err;

+if (GRUB_MACHINE_EFI
+ err = grub_bsd_add_meta (NETBSD_BTINFO_EFI,
+ &grub_efi_system_table,
+ sizeof (grub_efi_system_table));
+ if (err)
+ return err;
+endif
+
{struct bsd_tag *tag;
tag_buf_len = 0;
}
diff --git a/include/grub/i386/netbsd_bootinfo.h b/include/grub/i386/netbsd_bootinfo.h
index e48c19b4089..9b4f4604103 100644
--- a/include/grub/i386/netbsd_bootinfo.h
+++ b/include/grub/i386/netbsd_bootinfo.h
@@ -58,6 +58,8 @@
#define NETBSD_BTINFO_BOOTWEDGE	10
#define NETBSD_BTINFO_MODULES	11
#define NETBSD_BTINFO_FRAMEBUFFER	12
+#define NETBSD_BTINFO_USERCONFCOMMANDS 13
+#define NETBSD_BTINFO_EFI 14

struct grub_netbsd_bootinfo
{
@@ -146,4 +148,9 @@ struct grub_netbsd_btinfo_framebuf
#define GRUB_NETBSD_MAX_ROOTDEVICE_LEN 16

+struct grub_netbsd_btinfo_efi
+{
+  void *pa_systbl; /* Physical address of the EFI System Table */
+};
+
#endif
diff --git a/ChangeLog b/ChangeLog
index abf8f4b2716..0cdd095a498 100644
--- a/ChangeLog
+++ b/ChangeLog
@@ -1,3 +1,8 @@
2014-06-21  Stephane Rochoy <sheda>
+  * grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to
+    EFI system table.
+2014-06-21  Stephane Rochoy <sheda>

* grub-core/commands/efi/lsefisystab.c (grub_cmd_lsefisystab): Show
From 0000000000000000000000000000000000000000 Mon Sep 17 00:00:00 2001
From: Vladimir Serbinenko <phcoder@gmail.com>
Date: Fri, 20 Mar 2015 11:13:58 +0100
Subject: [PATCH] cacheinfo: Add missing license information.

---
grub-core/commands/cacheinfo.c | 2 ++
1 file changed, 2 insertions(+)

Open Source Used In NAE (version 4.1) 4.1.1.44080
diff --git a/grub-core/commands/cacheinfo.c b/grub-core/commands/cacheinfo.c
index ead6ff82cfc..d34a346964c 100644
--- a/grub-core/commands/cacheinfo.c
+++ b/grub-core/commands/cacheinfo.c
@@ -23,6 +23,8 @@
 #include <grub/i18n.h>
 #include <grub/disk.h>

+GRUB_MOD_LICENSE ("GPLv3+");
+
 static grub_err_t
 grub_rescue_cmd_info (struct grub_command *cmd __attribute__ ((unused)),
   int argc __attribute__ ((unused)),

1.373 commons-io 2.6
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1.382 jackson 1.9.13

1.383 libpwquality 1.2.3-5.el7

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1.384 javax-el 2.2.4

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1.390 spring-session-data-mongodb 2.0.2

1.391 plugin-classloader 6.5.4

1.392 pyyaml 3.10 11.el7

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1.393 spring-data-mongodb 2.0.6

1.394 bsd-mailx 12.5-19.el7

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  * GSS-API Programming Guide
  * Part No: 816-1331-11
  * Sun Microsystems, Inc. 4150 Network Circle Santa Clara, CA 95054 U.S.A.
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Network Working Group    H. Krawczyk
Request for Comments: 2104    IBM
Category: Informational    M. Bellare
    UCSD
    R. Canetti
    IBM
February 1997

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1.404 netty-resolver 4.1.23

1.405 open-csv 3.9

1.406 jetty-http 9.2.22.v20170606

1.407 dhcp 4.2.5 77.el7.centos
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    <xsl:param name="text"/>
    <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>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

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

  Author: Julio Merino <jmmv@NetBSD.org>

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

  Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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

1.408 perl-termreadkey 2.30-20.el7

1.409 perl-threads 1.87-4.el7

1.410 bind 9.11.4 9.P2.el7

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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 3a0982da308228d796df35f98d787c5cff2bb5b6.

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

Author: Julio Merino <jmmv84@gmail.com>

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

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1.415 wpa_supplicant 2.6-12.el7

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1.424 perl-socket 2.010 4.el7

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diff --git a/yum/update_md.py b/yum/update_md.py
--- a/yum/update_md.py 2015-01-19 07:44:35.567107008 -0500
@@ -398,6 +399,9 @@ class UpdateMetadata(object):
 except Errors.RepoMDError:
     continue # No metadata found for this repo

+    self.arch_storage = ArchStorage()
+    self.archlist = self.arch_storage.archlist
+
    def get_notices(self, name=None):
        """ Return all notices. """
        if name is None:
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
            name = oldpkgtup[0]
            arch = oldpkgtup[1]
            ret = []
+            other_arch_list = []
+            notices = set()
            for notice in self.get_notices(name):
                for upkg in notice['pkglist']:
                    for pkg in upkg['packages']:
                        other_arch = False
                        if pkg['name'] != name or pkg['arch'] != arch:
                            continue
if (notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
    other_arch = True
else:
    continue
pkgtup = (pkg['name'], pkg['arch'], pkg['epoch'] or '0',
          pkg['version'], pkg['release'])
if _rpm_tup_vercmp(pkgtup, oldpkgtup) <= 0:
    continue
-    ret.append((pkgtup, notice))
+    if other_arch:
+        other_arch_list.append((pkgtup, notice))
+    else:
+        ret.append((pkgtup, notice))
+    notices.add(notice)
for pkgtup, notice in other_arch_list:
    if notice not in notices:
+        ret.append((pkgtup, notice))
    ret.sort(cmp=_rpm_tup_vercmp, key=lambda x: x[0], reverse=True)
return ret

from rpmUtils.arch import ArchStorage
```python
+ self._vlogger = vlogger
+
+ def __getitem__(self, item):
+     
+         Allows scriptable metadata access (ie: un['update_id']). 
+     
+ if type(item) is int:
+     
@@ -103,6 +106,24 @@ class UpdateNotice(object):
+     # Tests to see if it's "the same data", which means that the
+     # packages can be different (see add_notice).
+     
+     def _rid(un):
+         if hasattr(un, '_repoid') and un._repoid is not None:
+             return un._repoid
+         else:
+             return '<unknown>'
+         
+     def _log_failure(data):
+         
+             Log the mismatched data similarly to conflict markers in git."
+         
+     if self._vlogger is None:
+         return 
+     
+     return
+     
+     msg = _("Duplicate of %s differs in some fields:
+     
+     msg += "%s: %s\n" % (_rid(other), data)
+     
+     msg += "%s: %s\n" % (other._md[data], self._md[data])
+     
+     msg += "%s: %s" % (_rid(self), data)
+     
+     # --verbose mode enables this
+     
+     self._vlogger.log(logging.DEBUG_3, msg)
+     
+     if not other or not hasattr(other, '_md'):
+         return False
+     
@@ -113,6 +134,7 @@ class UpdateNotice(object):
+     if data == 'status': # FIXME: See below...
+         continue
+     
+     _log_failure(data)
+     return False
+     
+     # FIXME: Massive hack, Fedora is really broken and gives status=stable
+     
+     # and status=testing for updateinfo notices, just depending on which
@@ -120,8 +142,10 @@ class UpdateNotice(object):
+     data = 'status'
+     if self._md[data] != other._md[data]:
+         
+             _log_failure(data)
+             return False
+             
+             # FIXME: Massive hack, Fedora is really broken and gives status=stable
+             
+             # and status=testing for updateinfo notices, just depending on which
```
self._md[data] = 'stable'

@@ -574,7 +598,7 @@ class UpdateMetadata(object):
    for event, elem in safe_iterparse(infile, logger=self._logger):
        if elem.tag == 'update':
            try:
-                un = UpdateNotice(elem)
+                un = UpdateNotice(elem, repoid, self._vlogger)
            except UpdateNoticeException, e:
                msg = _('An update notice%s is broken, skipping.') % _rid(repoid)
                if self._vlogger:
@@ -587,6 +611,8 @@ class UpdateMetadata(object):
                msg = _('Update notice %s%ss is broken, or a bad duplicate, skipping.') % (un['update_id'],
                    _rid(repoid))
            if not have_dup:
                msg += _('You should report this problem to the owner of the %srepository.') % _rid(repoid, '%s ')
+                msg += _('If you are the owner, consider re-running the same command with --verbose to see the ' +
+                        'exact data that caused the conflict.')
            have_dup = True
            if self._vlogger:
                self._vlogger.warn("%s", msg)

1.440 texinfo 5.1 5.el7
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1.456 perl-parent 0.225-244.el7

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.
The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

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The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de()) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid.

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Last revised by Reagle $Date: 2005/06/03 22:49:13 $

1.481 spring-security-rsa 1.0.5

1.482 openjdk-7-jre 1.8.0.232.b09-0.el7_7

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## Mesa 3-D Graphics Library v5.0

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Mesa 3-D graphics library

Version: 5.0

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1.484 protobuf-java 3.7.1

1.485 spring-cloud-context 2.0.0

1.486 slf4j 1.7.25

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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <meta http-equiv="content-type" content="text/html; charset=iso-8859-1" />
    <title>SLF4J License</title>
    <link rel="stylesheet" type="text/css" media="screen" href="css/site.css" />
  </head>
  <body>
    <script type="text/javascript">prefix='';</script>
    <script src="templates/header.js" type="text/javascript"></script>
    <div id="left">
      <script src="templates/left.js" type="text/javascript"></script>
    </div>
    <div id="right">
      <script src="templates/right.js" type="text/javascript"></script>
    </div>
    <div id="content">
      <h1>Licensing terms for SLF4J</h1>
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1.487 maven-compat 3.5.0
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1.489 jackson-dataformat-csv 2.9.3

1.490 jersey-common 2.25.1

1.491 jaxb-core 2.1.12

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1.492 java-support 7.3.0
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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =
## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

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

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

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

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION_MAJOR) $@
## End FreeBSD-specific setup

### 1.497 jaxb-core 2.3.0

### 1.498 beanutils 1.9.3

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

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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include/winstdint.h is included only for Windows Client support, as follows:

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// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
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Will do in next version.

> I found Perl license in Makefile.PL,
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yes

--
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1.513 jline-builtins 3.6.0

1.514 jline-remote-ss[...]n 3.6.0

1.515 open-ssl 1.1.1d
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Gadi Oxman, August 1995

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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 Common Error
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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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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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Index: tdbsa/tdb.c
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+++ tdbsa/tdb.c

--- tdbsa.orig/tdb.c
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free software which everyone can redistribute and change under these
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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
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.

@example
@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

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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 smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show
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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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<info>
<title><acronym>GNU</acronym> General Public License version 3</title>
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<?dbhtml filename="appendix_gpl.html"?>

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Version 3, 29 June 2007
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/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using underscores, we are using prefix `.s to identify labels that should be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */
**Open Source Used In NAE (version 4.1) 4.1.1.44988**

```
#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS */
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line that says to advance the location counter by SIZE bytes. */
#define ASM_OUTPUT_SKIP(FILE,SIZE)  
   fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line to define a global common symbol. */
#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED)  
   ( fputs (".comm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line to define a local common symbol. */
#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED)  
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u\n", (int)(ROUNDED)))

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line that says to advance the location counter to a multiple of 2**LOG bytes. */
#define ASM_OUTPUT_ALIGN(FILE,LOG)  
   if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))
```
/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER)
    sprintf ((BUF), "*%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */
#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

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# that carries a non-FSF copyright.
#
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# 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',
            'ltselect.m4',
            'ltlibeapply.m4',
            'ltversion.m4',
            'ltversion.sh',
        ''])
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 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 (self.year_re
            # 1: 'Copyright (C)', etc.
            '(?i)\[Cc\]opyright\s+\\[(Cc)\]\]'
            '[[Cc]opyright\s+\&\[(Cc)\]\]]'
            '[[Cc]opyright\s+%s'    # 2: the years.  Include the whitespace in the year, so that
            '[[Cc]opyright\s+&copy;]'  # we can remove any excess.
            '[[Cc]opyright\s+\&\copyright\{ ]\]'
            'copyright = u"'
            '@set\s+copyright\[w-\]+')
'(\s*(:? + ranges + :)?
|@value\{[^{}]*\})\s*)'

# 3: 'by ', if used
'(by\$s+)?'

# 4: the copyright holder. Don't allow multiple consecutive
# spaces, so that right-margin gloss doesn't get caught
# (e.g. gnat_ugn.texi).
'(\ + name + (?:\$s? + name + :))?'

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
    re.IGNORECASE)

self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

self.use_quilt = False

# If set, force all notices to include this year.
self.max_year = None

# Goes after the year(s). Could be ', '.
self.separator = ''

def add_package_author (self, holder, canon_form = None):
    if not canon_form:
        canon_form = holder
    self.holders[holder] = canon_form
    index = holder.find (' ')
    while index >= 0:
        self.holder_prefixes.add (holder[:index])
        index = holder.find (' ', index + 1)

def add_external_author (self, holder):
    self.holders[holder] = None

class BadYear:
    def __init__ (self, year):
        self.year = year

    def __str__ (self):
        return 'unrecognised year: ' + self.year
def parse_year(self, string):
    year = int(string)
    if len(string) == 2:
        if year > 70:
            return year + 1900
    elif len(string) == 4:
        return year
    raise self.BadYear(string)

def year_range(self, years):
    year_list = [self.parse_year(year)
                 for year in self.year_re.findall(years)]
    assert len(year_list) > 0
    return (min(year_list), max(year_list))

def set_use_quilt(self, use_quilt):
    self.use_quilt = use_quilt

def include_year(self, year):
    assert not self.max_year
    self.max_year = year

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value):
        return years
    (min_year, max_year) = self.year_range(years)
    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file(dir, filename):
        max_year = max(max_year, self.max_year)
    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

def strip_continuation(self, line):
    line = line.lstrip()
    match = self.comment_re.match(line)
    if match:
        line = line[match.end():].lstrip()
    return line

def is_complete(self, match):
    holder = match.group(4)
return (holder
    and (holder not in self.holder_prefixes
         or holder in self.holders))

def update_copyright (self, dir, filename, filter, file, line, match):
    orig_line = line
    next_line = None
    pathname = os.path.join (dir, filename)

    intro = match.group (1)
    if intro.startswith ('@set '):
        # Texinfo year variables should always be on one line
        after_years = line[match.end (2):].strip()
        if after_years != '':
            self.errors.report (pathname,
                'trailing characters in @set: '
                + after_years)
            return (False, orig_line, next_line)
        else:
            # If it looks like the copyright is incomplete, add the next line.
            while not self.is_complete (match):
                try:
                    next_line = file.next()
                except StopIteration:
                    break
                # If the next line doesn't look like a proper continuation,
                # assume that what we've got is complete.
                continuation = self.strip_continuation (next_line)
                if not self.continuation_re.match (continuation):
                    break

                # Merge the lines for matching purposes.
                orig_line += next_line
                line = line.rstrip() + ' ' + continuation
                next_line = None

                # Rematch with the longer line, at the original position.
                match = self.copyright_re.match (line, match.start())
                assert match

                holder = match.group (4)

                # Use the filter to test cases where markup is getting in the way.
                if filter.by_package_author (dir, filename):
                    assert holder not in self.holders

    elif not holder:
self.errors.report (pathname, 'missing copyright holder')

return (False, orig_line, next_line)

elif holder not in self.holders:
    self.errors.report (pathname, 'unrecognised copyright holder: ' + holder)
    return (False, orig_line, next_line)

else:
    # See whether the copyright is associated with the package
    # author.
    canon_form = self.holders[holder]
    if not canon_form:
        return (False, orig_line, next_line)

    # Make sure the author is given in a consistent way.
    line = (line[:match.start (4)]
            + canon_form
            + line[match.end (4):])

    # Remove any 'by'
    line = line[:match.start (3)] + line[match.end (3):]

    # Update the copyright years.
    years = match.group (2).strip()
    try:
        canon_form = self.canonicalise_years (dir, filename, filter, years)
    except self.BadYear as e:
        self.errors.report (pathname, str (e))
        return (False, orig_line, next_line)

    line = (line[:match.start (2)]
            + (' ' if intro.startswith ('copyright = ') else ' ')
            + canon_form + self.separator
            + line[match.end (2):])

    # Use the standard (C) form.
    if intro.endswith ('right'):
        intro += ' (C)
    elif intro.endswith ('(c)'):
        intro = intro[:-3] + '(C)
    line = line[:match.start (1)] + intro + line[match.end (1):]

    # Strip trailing whitespace
    line = line.rstrip() + '

    return (line != orig_line, line, next_line)
def process_file(self, dir, filename, filter):
    pathname = os.path.join(dir, filename)
    if filename.endswith('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove(pathname)
        except OSError:
            pass
        return

    lines = []
    changed = False
    line_filter = filter.get_line_filter(dir, filename)
    mode = None
    with open(pathname, 'r') as file:
        prev = None
        mode = os.fstat(file.fileno()).st_mode
        for line in file:
            next_line = None
            # Leave filtered-out lines alone.
            if not (line_filter and line_filter.match(line)):
                match = self.copyright_re.search(line)
                if match:
                    res = self.update_copyright(dir, filename, filter,
                                                 file, line, match)
                    (this_changed, line, next_line) = res
                    changed = changed or this_changed

                    # Check for copyright lines that might have slipped by.
                    elif self.other_copyright_re.search(line):
                        self.errors.report(pathname,
                                           'unrecognised copyright: %s'
                                           % line.strip())
                        lines.append(line)
                        line = next_line

    # If something changed, write the new file out.
    if changed and self.errors.ok():
        tmp_pathname = pathname + '.tmp'
        with open(tmp_pathname, 'w') as file:
            for line in lines:
                file.write(line)
            os.fchmod(file.fileno(), mode)
            if self.use_quilt:
                subprocess.call(['quilt', 'add', pathname])
        os.rename(tmp_pathname, pathname)
def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
' % os.path.join(dir, filename))
            else:
                self.process_file(dir, filename, filter)

class CmdLine:
    def __init__(self, copyright = Copyright):
        self.errors = Errors()
        self.copyright = copyright (self.errors)
        self.dirs = []
        self.default_dirs = []
        self.chosen_dirs = []
        self.option_handlers = dict()
        self.option_help = []

        self.add_option ('--help', 'Print this help', self.o_help)
        self.add_option ('--quilt', '"quilt add" files before changing them',
                         self.o_quilt)
        self.add_option ('--this-year', 'Add the current year to every notice',
                         self.o_this_year)

    def add_option (self, name, help, handler):
        self.option_help.append ((name, help))
        self.option_handlers[name] = handler

    def add_dir (self, dir, filter = GenericFilter()):
        self.dirs.append ((dir, filter))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...

        Options:
' % sys.argv[0])

        format = '%-15s %s
'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
        sys.stdout.write ('
Directories:
')

    format = '%-25s'
    i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len(self.dirs):
        sys.stdout.write (dir + 'n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
    self.copyright.set_use_quilt (True)

def o_this_year (self, option):
    self.copyright.include_year (time.localtime().tm_year)

def main (self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append (arg)
        elif arg in self.option_handlers:
            self.option_handlers[arg] (arg)
        else:
            self.errors.report (None, 'unrecognised option: ' + arg)
    if self.errors.ok():
        if len (self.chosen_dirs) == 0:
            self.chosen_dirs = self.default_dirs
    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',
    ])

Open Source Used In NAE (version 4.1) 4.1.1.45018
def skip_file(self, dir, filename):
    # g++.niklas/README contains historical copyright information
    # and isn't updated.
    if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
        return True
    # Similarly params/README.
    if filename == 'README' and os.path.basename(dir) == 'params':
        return True
    if filename == 'pdt_5.f03' and os.path.basename(dir) == 'gfortran.dg':
        return True
    return GenericFilter.skip_file(self, dir, filename)

class LibCppFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set(
            # Maintained by the translation project.
            '.po',

            # Automatically-generated.
            '.pot',
        )

class LibGCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_dirs |= set(
            # Imported from GLIBC.
            'soft-fp',
        )

class LibPhobosFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
self.skip_files |= set (
    # Source module imported from upstream.
    'object.d',
)

self.skip_dirs |= set (
    # Contains sources imported from upstream.
    'core',
    'etc',
    'gc',
    'gcstub',
    'rt',
    'std',
)

class LibStdCxxFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

        self.skip_files |= set (
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
        )

        self.skip_dirs |= set (
            # Contains automatically-generated sources.
            'html',

            # The testsuite data files shouldn't be changed.
            'data',

            # Contains imported images
            'images',
        )

        self.own_files |= set (
            # Contains markup around the copyright owner.
            'spine.xml',
        )

        def get_line_filter (self, dir, filename):
            if filename == 'boost_concept_check.h':
                return re.compile ('// (C) Copyright Jeremy Siek')
            return GenericFilter.get_line_filter (self, dir, filename)

    class GCCCopyright (Copyright):
        def __init__ (self, errors):
            pass
Copyright.__init__ (self, errors)

canon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author ('Free Software Foundation', canon_fsf)
self.add_package_author ('Free Software Foundation.', canon_fsf)
self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('The Free Software Foundation', canon_fsf)
self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
self.add_package_author ('Software Foundation, Inc.', canon_fsf)

self.add_external_author ('ARM')
self.add_external_author ('AdaCore')
self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL')
self.add_external_author ('Cavium Networks.')
self.add_external_author ('Faraday Technology Corp.')
self.add_external_author ('Florida State University')
self.add_external_author ('Gerard Jungman')
self.add_external_author ('Greg Colvin and Beman Dawes.')
self.add_external_author ('Hewlett-Packard Company')
self.add_external_author ('Intel Corporation')
self.add_external_author ('Information Technology Industry Council')
self.add_external_author ('James Theiler, Brian Gough')
self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')
self.add_external_author ('National Research Council of Canada.')
self.add_external_author ('NVIDIA Corporation')
self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California.')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
self.add_external_author ('Silicon Graphics')
self.add_external_author ('Stephen L. Moshier')
self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author ('The D Language Foundation, All Rights Reserved')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors.')
self.add_external_author ('The Regents of the University of California.')
self.add_external_author ('Unicode, Inc.')
self.add_external_author ('University of Toronto.')

class GCCCmdLine (_CmdLine):  
def __init__ (self):  
    _CmdLine__init__ (self, GCCCopyright)

    self.add_dir ('.', TopLevelFilter())
# boehm-gc is imported from upstream.
self.add_dir('config', ConfigFilter())

# contrib isn't really part of GCC.
self.add_dir('fixincludes')
self.add_dir('gcc', GCCFilter())

self.add_dir(os.path.join('gcc', 'testsuite'), TestsuiteFilter())
self.add_dir('gnattools')
self.add_dir('gotools')
self.add_dir('include')

# intl is imported from upstream.
self.add_dir('libada')
self.add_dir('libatomic')
self.add_dir('libbacktrace')
self.add_dir('libc1')
self.add_dir('libcpp', LibCppFilter())

self.add_dir('libdecnumber')
# libffi is imported from upstream.
self.add_dir('libgcc', LibGCCFilter())
self.add_dir('libgfortran')

# libgo is imported from upstream.
self.add_dir('libgomp')
self.add_dir('libhsain-rt')
self.add_dir('libiberty')

self.add_dir('libbitm')
self.add_dir('libobjc')

# liboffloadmic is imported from upstream.
self.add_dir('libphobos', LibPhobosFilter())

self.add_dir('libquadmath')

# libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')

self.add_dir('lto-plugin')

# maintainer-scripts maintainer-scripts

# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libc1',
    'libcpp',
    'libdecnumber',
    'libgcc',
    'libgfortran',
    'libgomp',
]
GCCCmdLine().main()
\emph{(\%(tool)s, The \%(name)s Development Environment)}

\emph{(\%(edition)s)}

\begin{DUlineblock}{0em}
\item[\null] Version \%(version)s
\item[\null] Date: \%(date)s
\end{DUlineblock}

AdaCore

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

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mach_override       lib/interception/mach_override
DRuntime: Runtime Library for the D Programming Language
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\"Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(\ .ds Aq (aq
.el .ds Aq '
"If the F register is >0, we'll generate index entries on stderr for
titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
titles marked with X<> in POD. Of course, you'll have to process the
output yourself in some meaningful fashion.
"Avoid warning from groff about undefined register 'F'.
de IX
.. .nr rF 0
.if \n( (if rF .nr rF 1
.if (\n(rF:\n( (g==0)) ){
    if \nF {
        de IX
        tm Index:\n1\n\n%\n"\n2"
    }
    nr % 0
    nr F 2
    \}
    \}
.rr rF
"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 #f \m1
    ds #f \mP
.}.
.if t \{
    ds #H ((1u-(\n\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 \k:\h'-(\n(wu*8/10-*(#H)\v'-(\n:u''
. ds \k:\h'-(\n(wu*8/10-*(#H)\v'-(\n:u''
. ds ^ \k:\h'-(\n(wu*10/11-*(#H)'\v'-(\n:u''
. ds , \k:\h'-(\n(wu*8/10)'\v'-(\n:u''
. ds ~ \k:\h'-(\n(wu*8/10-*(#H)'\v'(s\h'\v'-(\n:u''
. " corrections for vroff
.if v .ds ~ \k:\h'-(\n(wu*9/10-*(#H)\v'-2\v'-(\n:u''
.if v .ds ^ \k:\h'-(\n(wu*10/11-*(#H)'\v'-4\v'-(\n:u''
. " for low resolution devices (crt and lpr)
.if \n.\H>23 .if \n.\V>19 \}
. ds : e
. ds 8 ss
. ds o a
. ds d- d\h'-1\v'(ga
. ds D- Dh'-1\v'(hy
. ds th \o'bp'
. ds Th \o'LP'
. ds ae ae
. ds Ae AE
. \]
.rm #[ #] #H #V #F C
.="fcntl(2) "}
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IX Subsection "TERMS AND CONDITIONS"

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.IP "1. Source Code." 4
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Replaceable is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by char32At(). One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

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

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

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

For a subclass to support metadata, typical behavior of replace() is the following:
<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>
</ul>
If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata.

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

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@author Alan Liu
@stable ICU 2.0

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

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

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@see Replaceable
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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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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.

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

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

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

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

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It’s really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A  
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse

If that doesn't work:
    Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below.  Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

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

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

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    Version 2.1, February 1999

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

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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
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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.

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

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

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A "library" means a collection of software functions and/or data
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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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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.

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

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

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<one line to give the program's name and a brief idea of what it does.>
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Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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<signature of Ty Coon>, 1 April 1989
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The End
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;
my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so # that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}
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) = $copyright_msg =~ /.*\b(\d{4,})/s
or die "Year not found in README copyright message ‘$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;
}

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

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The End

1.524 opensaml-security-impl 3.3.0

1.525 jacksondatatypejdk 2.9.3

1.526 lvm2 1.02.158-2.el7atomix1

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/** Tagging interface to indicate the library or callback uses an alternate
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 @author twall 
 */
public interface AltCallingConvention {}

1.531 kerberos 1.15.1 37.el7_7.2

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

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
and the initial implementation of incremental propagation, including the following new or changed files:

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

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1.547 bind 9.9.4-61.el7

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

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

* atf-cui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision
  3a0982da308228d796df35f98d787c5cf2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

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

  Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
  admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
  except the first one, were first implemented in the Buildtool project.
  They were later adapted to be part of Boost.Process and, during that
  process, the shell script was created.
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<!- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 textbox $ -->

<!- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <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>
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    </xsl:text>
  </xsl:variable>

</xsl:stylesheet>

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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
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
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 */
package javax.mail;

public class Authenticator {
  protected PasswordAuthentication getPasswordAuthentication() {
    return null;
  }
}

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1.561 perl-version 0.99.07 3.el7

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1.563 libvmtools 10.3.0-2.el7_7.1
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base64.c -- routines to encode/decode base64 data
$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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1.571 junit 4.12

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1.578 cdi-api 1.2

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1.579 man-db 2.6.3-11.el7

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1.584 lib-jpeg-turbo 1.2.90 8.el7

1.585 xorg-x11-font-utils 7.5 21.el7

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1.586 perl-constant 1.27-2.el7

1.587 pth 2.0.7-23.el7

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1.591 spring-tx 5.0.5

1.592 libgcrypt 1.5.3 14.el7

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(This file is under construction.)-

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

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

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

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.
Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

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

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

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

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

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

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

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

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

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1.599 spring-webflux 5.0.5

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1.601 plexus-component-annotations 2.1.0

1.602 libutempter 1.1.6 4.el7
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1.611 quartz 2.3.0

1.612 slf4j-log4j 1.7.25

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1.614 reflections 0.9.11

1.615 jxpath 1.3

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 */

1.630 grpc 1.26.0

1.631 driverctl 0.108-1.el7_6
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1.634 reactor-core 3.1.6

1.635 strace 4.12-9.el7

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

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<signature of Ty Coon>, 1 April 1990
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1.643 centos-logos 70.0.6 3.el7.centos
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1.644 opensaml-profile-api 3.3.0

1.645 jackson-datatype-guava 2.9.3

1.646 spring-boot-starter-webflux 2.0.1

1.647 eclipse-sisu-inject 0.3.4

1.647.1 Available under license:

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1.648 diffutils 3.3 5.el7

1.648.1 Available under license:

From RPM File Metadata:GPLv3+
/* diff - compare files line by line


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#define GDIFF_MAIN
#include "diff.h"
#include <assert.h>
#include "paths.h"
#include "c-stack.h"
#include <dirname.h>
#include <error.h>
#include <exclude.h>
#include <exitfail.h>
#include <filenamecat.h>
#include <file-type.h>
#include <fnmatch.h>
#include <getopt.h>
#include <hard-locale.h>
#include <prepargs.h>
#include <progname.h>
#include <sh-quote.h>
#include <stat-time.h>
#include <timespec.h>
#include <version-etc.h>
#include <xalloc.h>
#include <xreadlink.h>
#include <binary-io.h>

/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS \
proper_name ("Paul Eggert"), \\nproper_name ("Mike Haertel"), \\nproper_name ("David Hayes"), \\nproper_name ("Richard Stallman"), \\nproper_name ("Len Tower")

#ifndef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3
#endif

struct regexp_list
{
    char *regexps;/* chars representing disjunction of the regexprs */
    size_t len;/* chars used in 'regexps' */
    size_t size;/* size malloc'ed for 'regexps'; 0 if not malloc'ed */
    bool multiple_regexps;/* Does 'regexps' represent a disjunction? */
    struct re_pattern_buffer *buf;
};

static int compare_files (struct comparison const *, char const *, char const *);
static void add_regexp (struct regexp_list *, char const *);
static void summarize_regexp_list (struct regexp_list *);
static void specify_style (enum output_style);
static void specify_value (char const **, char const *, char const *);
static void try_help (char const *, char const *) __attribute__((noreturn));
static void check_stdout (void);
static void usage (void);

/* If comparing directories, compare their common subdirectories recursively. */
static bool recursive;

/* In context diffs, show previous lines that match these regexprs. */
static struct regexp_list function_regexp_list;

/* Ignore changes affecting only lines that match these regexprs. */
static struct regexp_list ignore_regexp_list;

#if O_BINARY
/* Use binary I/O when reading and writing data (--binary). */

/* Use binary I/O when reading and writing data (--binary). */

Open Source Used In NAE (version 4.1) 4.1.1.46317
On POSIX hosts, this has no effect. */
static bool binary;
#else
enum { binary = true };
#endif

/* If one file is missing, treat it as present but empty (-N). */
static bool new_file;

/* If the first file is missing, treat it as present but empty
   (--unidirectional-new-file). */
static bool unidirectional_new_file;

/* Report files compared that are the same (-s).
   Normally nothing is output when that happens. */
static bool report_identical_files;

static char const shortopts[] =

/* Values for long options that do not have single-letter equivalents. */
enum
{
   BINARY_OPTION = CHAR_MAX + 1,
   FROM_FILE_OPTION,
   HELP_OPTION,
   HORIZON_LINES_OPTION,
   IGNORE_FILE_NAME_CASE_OPTION,
   INHIBIT_HUNK_MERGE_OPTION,
   LEFT_COLUMN_OPTION,
   LINE_FORMAT_OPTION,
   NO_DEREFERENCE_OPTION,
   NO_IGNORE_FILE_NAME_CASE_OPTION,
   NORMAL_OPTION,
   SDIFF_MERGE_ASSIST_OPTION,
   STRIP_TRAILING_CR_OPTION,
   SUPPRESS_BLANK_EMPTY_OPTION,
   SUPPRESS_COMMON_LINES_OPTION,
   TABSIZE_OPTION,
   TO_FILE_OPTION,

   /* These options must be in sequence. */
   UNCHANGED_LINE_FORMAT_OPTION,
   OLD_LINE_FORMAT_OPTION,
   NEW_LINE_FORMAT_OPTION,

   /* These options must be in sequence. */
   UNCHANGED_GROUP_FORMAT_OPTION,
OLD_GROUP_FORMAT_OPTION,
NEW_GROUP_FORMAT_OPTION,
CHANGED_GROUP_FORMAT_OPTION
};

static char const group_format_option[][sizeof "--unchanged-group-format"] =
{
    "--unchanged-group-format",
    "--old-group-format",
    "--new-group-format",
    "--changed-group-format"
};

static char const line_format_option[][sizeof "--unchanged-line-format"] =
{
    "--unchanged-line-format",
    "--old-line-format",
    "--new-line-format"
};

static struct option const longopts[] =
{
    {"binary", 0, 0, BINARY_OPTION},
    {"brief", 0, 0, 'q'},
    {"changed-group-format", 1, 0, CHANGED_GROUP_FORMAT_OPTION},
    {"context", 2, 0, 'C'},
    {"ed", 0, 0, 'e'},
    {"exclude", 1, 0, 'x'},
    {"exclude-from", 1, 0, 'X'},
    {"expand-tabs", 0, 0, 't'},
    {"forward-ed", 0, 0, 'f'},
    {"from-file", 1, 0, FROM_FILE_OPTION},
    {"help", 0, 0, HELP_OPTION},
    {"horizon-lines", 1, 0, HORIZON_LINES_OPTION},
    {"ifdef", 1, 0, 'D'},
    {"ignore-all-space", 0, 0, 'w'},
    {"ignore-blank-lines", 0, 0, 'B'},
    {"ignore-case", 0, 0, 'i'},
    {"ignore-file-name-case", 0, 0, IGNORE_FILE_NAME_CASE_OPTION},
    {"ignore-matching-lines", 1, 0, 'T'},
    {"ignore-space-change", 0, 0, 'b'},
    {"ignore-tab-expansion", 0, 0, 'e'},
    {"ignore-trailing-space", 0, 0, 'Z'},
    {"inhibit-hunk-merge", 0, 0, INHIBIT_HUNK_MERGE_OPTION},
    {"initial-tab", 0, 0, 'T'},
    {"label", 1, 0, 'L'},
    {"left-column", 0, 0, LEFT_COLUMN_OPTION},
    {"line-format", 1, 0, LINE_FORMAT_OPTION},
}
/* Return a string containing the command options with which diff was invoked.
Spaces appear between what were separate ARGV-elements.
There is a space at the beginning but none at the end.
If there were no options, the result is an empty string.

Arguments: OPTIONVEC, a vector containing separate ARGV-elements, and COUNT,
the length of that vector. */

static char *
option_list (char **optionvec, int count)
{
  int i;
  size_t size = 1;
  char *result;
  
  /* Return a string containing the command options with which diff was invoked.
Spaces appear between what were separate ARGV-elements.
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There is a space at the beginning but none at the end.
If there were no options, the result is an empty string.

Arguments: OPTIONVEC, a vector containing separate ARGV-elements, and COUNT,
the length of that vector. */

static char *
option_list (char **optionvec, int count)
{
  int i;
  size_t size = 1;
  char *result;
char *p;

for (i = 0; i < count; i++)
    size += 1 + shell_quote_length (optionvec[i]);

int
main (int argc, char **argv)
{
    int exit_status = EXIT_SUCCESS;
    int c;
    int i;
    int prev = -1;
    line ocontext = -1;
    bool explicit_context = false;
    size_t width = 0;
    bool show_c_function = false;
    char const *from_file = NULL;
    char const *to_file = NULL;
    uintmax_t numval;
    char *numend;

    /* Do our initializations. */
    exit_failure = EXIT_TROUBLE;
    initialize_main (&argc, &argv);
    set_program_name (argv[0]);
    setlocale (LC_ALL, "");
    bindtextdomain (PACKAGE, LOCALEDIR);

    p = result = xmalloc (size);

    for (i = 0; i < count; i++)
    {
        *p++ = ' ';
        p = shell_quote_copy (p, optionvec[i]);
    }

    *p = '\0';
    return result;
}
textdomain (PACKAGE);
c_stack_action (0);
function_regex_list.buf = &function_regexp;
ignore_regex_list.buf = &ignore_regexp;
re_set_syntax (RE_SYNTAX_GREP | RE_NO_POSIX_BACKTRACKING);
excluded = new_exclude ();

/* Decode the options. */

while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
{
    switch (c)
    {
        case 0:
            break;
        case '0':
        case '1':
        case '2':
        case '3':
        case '4':
        case '5':
        case '6':
        case '7':
        case '8':
        case '9':
            if (! ISDIGIT (prev))
                ocontext = c - '0';
            else if (LIN_MAX / 10 < ocontext
                    || ((ocontext = 10 * ocontext + c - '0') < 0))
                ocontext = LIN_MAX;
            break;
        case 'a':
            text = true;
            break;
        case 'b':
            if (ignore_white_space < IGNORE_SPACE_CHANGE)
                ignore_white_space = IGNORE_SPACE_CHANGE;
            break;
        case 'Z':
            if (ignore_white_space < IGNORE_SPACE_CHANGE)
                ignore_white_space |= IGNORE_TRAILING_SPACE;
            break;
        case 'B':
ignore_blank_lines = true;
break;

case 'C':
case 'U':
{
    if (optarg)
    {
        numval = strtolmax (optarg, &numend, 10);
        if (*numend)
            try_help ("invalid context length ""%s"", optarg);
        if (LIN_MAX < numval)
            numval = LIN_MAX;
    }
    else
        numval = 3;

    specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
    if (context < numval)
        context = numval;
    explicit_context = true;
}
break;

case 'c':
specify_style (OUTPUT_CONTEXT);
    if (context < 3)
        context = 3;
break;

case 'd':
    minimal = true;
break;

case 'D':
specify_style (OUTPUT_IFDEF);
{
    static char const C_ifdef_group_formats[] =
    """%
    char *b = xmalloc (sizeof C_ifdef_group_formats
        + 7 * strlen (optarg) - 14 /* 7*"%s" */
        - 8 /* 5*"%s" + 3*"c" */);
    sprintf (b, C_ifdef_group_formats,
        optarg, optarg, optarg, optarg, optarg);
for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
{
    specify_value (&group_format[i], b, "-D");
b += strlen (b) + 1;
}
break;

case 'e':
specify_style (OUTPUT_ED);
break;

case 'E':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TAB_EXPANSION;
    break;

case 'T':
specify_style (OUTPUT_FORWARD_ED);
break;

case 'F':
    add_regexp (&function_regexp_list, optarg);
    break;

case 'h':
    /* Split the files into chunks for faster processing.
     * Usually does not change the result.
     * This currently has no effect. */
    break;

case 'H':
speed_large_files = true;
    break;

case 'i':
    ignore_case = true;
    break;

case 'I':
    add_regexp (&ignore_regexp_list, optarg);
    break;

case 'T':
    if (!pr_program[0])
        try_help("pagination not supported on this host", NULL);
paginate = true;
#ifdef SIGCHLD
/* Pagination requires forking and waiting, and
   System V fork+wait does not work if SIGCHLD is ignored. */
signal (SIGCHLD, SIG_DFL);
#endif
break;

 case 'L':
   if (!file_label[0])
     file_label[0] = optarg;
   else if (!file_label[1])
     file_label[1] = optarg;
   else
     fatal ("too many file label options");
   break;

 case 'n':
   specify_style (OUTPUT_RCS);
   break;

 case 'N':
   new_file = true;
   break;

 case 'p':
   show_c_function = true;
   add_regexp (&function_regexp_list, "^[[:alpha:]]\$\]"");
   break;

 case 'P':
   unidirectional_new_file = true;
   break;

 case 'q':
   brief = true;
   break;

 case 'r':
   recursive = true;
   break;

 case 's':
   report_identical_files = true;
   break;

 case 'S':
   specify_value (&starting_file, optarg, ",-S");
   break;
case 't':
  expand_tabs = true;
  break;

case 'T':
  initial_tab = true;
  break;

case 'u':
  specify_style (OUTPUT_UNIFIED);
  if (context < 3)
    context = 3;
  break;

case 'v':
  version_etc (stdout, PROGRAM_NAME, PACKAGE_NAME, Version,
               AUTHORS, (char *) NULL);
  check_stdout ();
  return EXIT_SUCCESS;

case 'w':
  ignore_white_space = IGNORE_ALL_SPACE;
  break;

case 'x':
  add_exclude (excluded, optarg, exclude_options ());
  break;

case 'X':
  if (add_exclude_file (add_exclude, excluded, optarg,
                       exclude_options (), '\n'))
    pfatal_with_name (optarg);
  break;

case 'y':
  specify_style (OUTPUT_SDIFF);
  break;

case 'W':
  numval = strtoumax (optarg, &numend, 10);
  if (! (0 < numval &&& numval <= SIZE_MAX) || *numend)
    try_help ("invalid width '%s'", optarg);
  if (width != numval)
    {
      if (width)
        fatal ("conflicting width options");
      width = numval;
    }
case BINARY_OPTION:
#if O_BINARY
    binary = true;
    if (! isatty(STDOUT_FILENO))
        set_binary_mode(STDOUT_FILENO, O_BINARY);
#endif
    break;

case FROM_FILE_OPTION:
    specify_value(&from_file, optarg, "--from-file");
    break;

case HELP_OPTION:
    usage();
    check_stdout();
    return EXIT_SUCCESS;

case HORIZON_LINES_OPTION:
    numval = strtoumax(optarg, &numend, 10);
    if (*numend)
        try_help("invalid horizon length "%s", optarg);
    horizon_lines = MAX(horizon_lines, MIN(numval, LIN_MAX));
    break;

case IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = true;
    break;

case INHIBIT_HUNK_MERGE_OPTION:
    /* This option is obsolete, but accept it for backward
        compatibility. */
    break;

case LEFT_COLUMN_OPTION:
    left_column = true;
    break;

case LINE_FORMAT_OPTION:
    specify_style(OUTPUT_IFDEF);
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        specify_value(&line_format[i], optarg, "--line-format");
    break;

case NO_DEREFERENCE_OPTION:
    no_dereference_symlinks = true;
break;

case NO_IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = false;
    break;

case NORMAL_OPTION:
    specify_style (OUTPUT_NORMAL);
    break;

case SDIFF_MERGE_ASSIST_OPTION:
    specify_style (OUTPUT_SDIFF);
    sdiff_merge_assist = true;
    break;

case STRIP_TRAILING_CR_OPTION:
    strip_trailing_cr = true;
    break;

case SUPPRESS_BLANK_EMPTY_OPTION:
    suppress_blank_empty = true;
    break;

case SUPPRESS_COMMON_LINES_OPTION:
    suppress_common_lines = true;
    break;

case TABSIZE_OPTION:
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid tabsize ""%s", optarg);
    if (tabsize != numval)
    {
        if (tabsize)
            fatal ("conflicting tabsize options");
        tabsize = numval;
    }
    break;

case TO_FILE_OPTION:
    specify_value (&to_file, optarg, "--to-file");
    break;

case UNCHANGED_LINE_FORMAT_OPTION:
    case OLD_LINE_FORMAT_OPTION:
    case NEW_LINE_FORMAT_OPTION:
        specify_style (OUTPUT_IFDEF);
    c -= UNCHANGED_LINE_FORMAT_OPTION;
specify_value (&line_format[c], optarg, line_format_option[c]);
break;

case UNCHANGED_GROUP_FORMAT_OPTION:
case OLD_GROUP_FORMAT_OPTION:
case NEW_GROUP_FORMAT_OPTION:
case CHANGED_GROUP_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
c -= UNCHANGED_GROUP_FORMAT_OPTION;
specify_value (&group_format[c], optarg, group_format_option[c]);
break;

default:
    try_help (NULL, NULL);
}
    prev = c;
}

if (output_style == OUTPUT_UNSPECIFIED)
{
    if (show_c_function)
{
    specify_style (OUTPUT_CONTEXT);
    if (ocontext < 0)
        context = 3;
    }
    else
    specify_style (OUTPUT_NORMAL);
}

if (output_style != OUTPUT_CONTEXT || hard_locale (LC_TIME))
{
    #if (defined STAT_TIMESPEC || defined STAT_TIMESPEC_NS \
        || defined HAVE_STRUCT_STAT_ST_SPARE1)
    time_format = "%Y-%m-%d %H:%M:%S.%N %z";
    #else
    time_format = "%Y-%m-%d %H:%M:%S %z";
    #endif
}
else
{
    /* See POSIX 1003.1-2001 for this format. */
    time_format = "%a %b %e %T %Y";
}

if (0 <= ocontext
    && (output_style == OUTPUT_CONTEXT \
        || output_style == OUTPUT_UNIFIED)
&& (context < ocontext
|| (ocontext < context && ! explicit_context)))
context = ocontext;

if (!tabsize)
tabsize = 8;
if (!width)
width = 130;

{
/* Maximize first the half line width, and then the gutter width,
according to the following constraints:

1. Two half lines plus a gutter must fit in a line.
2. If the half line width is nonzero:
   a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
   b. If tabs are not expanded to spaces,
      a half line plus a gutter is an integral number of tabs,
      so that tabs in the right column line up. */

intmax_t t = expand_tabs ? 1 : tabsize;
intmax_t w = width;
intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;
sdiff_half_width = MAX (0, MIN (off - GUTTER_WIDTH_MINIMUM, w - off)),
sdiff_column2_offset = sdiff_half_width ? off : w;
}

/* Make the horizon at least as large as the context, so that
   shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
sanitize_regexp_list (&ignore_regexp_list);

if (output_style == OUTPUT_IFDEF)
{
   for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
if (!line_format[i])
   line_format[i] = "%\n";
   if (!group_format[OLD])
group_format[OLD] = group_format[CHANGED] ? group_format[CHANGED] : "%<";
   if (!group_format[NEW])
group_format[NEW] = group_format[CHANGED] ? group_format[CHANGED] : "%>";
   if (!group_format[UNCHANGED])
group_format[UNCHANGED] = "%=";
if (!group_format[CHANGED])
group_format[CHANGED] = concat (group_format[OLD],
group_format[NEW], "")
;
}

no_diff_means_no_output =
(output_style == OUTPUT_IFDEF ?
(!group_format[UNCHANGED] || STREQ (group_format[UNCHANGED], "%=") && !line_format[UNCHANGED])
: (output_style != OUTPUT_SDIFF) | suppress_common_lines);

files_can_be_treated_as_binary =
(brief & binary
 & ~ (ignore_blank_lines | ignore_case | strip_trailing_cr |
 | (ignore_regexp_list.regexps || ignore_white_space)));

switch_string = option_list (argv + 1, optind - 1);

if (from_file)
{
    if (to_file)
        fatal ("--from-file and --to-file both specified");
    else
        for (; optind < argc; optind++)
            int status = compare_files (NULL, from_file, argv[optind]);
        if (exit_status < status)
            exit_status = status;
    }
    else
        }
    if (to_file)
for (; optind < argc; optind++)
    
    int status = compare_files (NULL, argv[optind], to_file);
    if (exit_status < status)
        exit_status = status;
    }
else
    
    if (to_file)
for (; optind < argc; optind++)
    
    int status = compare_files (NULL, argv[optind], to_file);
    if (exit_status < status)
        exit_status = status;
    }
else
    
    if (argc - optind != 2)
    
        if (argc - optind < 2)
            try_help ("missing operand after "'\%s'^", argv[argc - 1]);
        else
            try_help ("extra operand "'\%s'^", argv[optind + 2]);


if (argc - optind != 2)

    if (argc - optind < 2)
        try_help ("missing operand after "'\%s'^", argv[argc - 1]);
    else
        try_help ("extra operand "'\%s'^", argv[optind + 2]);
exit_status = compare_files (NULL, argv[optind], argv[optind + 1]);
}
}

/* Print any messages that were saved up for last. */
print_message_queue ();

check_stdout ();
exit (exit_status);
return exit_status;

/* Append to REGLIST the regexp PATTERN. */

static void
add_regexp (struct regexp_list *reglist, char const *pattern)
{
    size_t patlen = strlen (pattern);
    char const *m = re_compile_pattern (pattern, patlen, reglist->buf);

    if (m != 0)
        error (0, 0, "%s: %s", pattern, m);
    else
    {
        char *regexps = reglist->regexps;
        size_t len = reglist->len;
        bool multiple_regexps = reglist->multiple_regexps = regexps != 0;
        size_t newlen = reglist->len = len + 2 * multiple_regexps + patlen;
        size_t size = reglist->size;

        if (size <= newlen)
        {
            if (!size)
                size = 1;

            do size *= 2;
            while (size <= newlen);

            reglist->size = size;
            reglist->regexps = regexps = xrealloc (regexps, size);
        }
        else
        {
            regexps[len++] = '\';
            regexps[len++] = '|';
        }
    }
}
memcpy (regexps + len, pattern, patlen + 1);
}
}

/* Ensure that REGLIST represents the disjunction of its regexps. This is done here, rather than earlier, to avoid O(N^2) behavior. */

static void summarize_regexp_list (struct regexp_list *reglist)
{
    if (reglist->regexps)
    {
        /* At least one regexp was specified. Allocate a fastmap for it. */
        reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
        if (reglist->multiple_regexps)
            /* Compile the disjunction of the regexps. (If just one regexp was specified, it is already compiled.) */
            char const *m = re_compile_pattern (reglist->regexps, reglist->len, reglist->buf);
            if (m)
                error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);
    }
}

static void try_help (char const *reason_msgid, char const *operand)
{
    if (reason_msgid)
        error (0, 0, _(reason_msgid), operand);
    error (EXIT_TROUBLE, 0, _("Try '%s --help' for more information."), program_name);
    abort ();
}

static void check_stdout (void)
{
    if (ferror (stdout))
        fatal ("write failed");
    else if (fclose (stdout) != 0)
        pfatal_with_name (_("standard output"));
}

static char const * const option_help_msgid[] = {
    N_("    --normal                  output a normal diff (the default)"),
    N_("-q, --brief                   report only when files differ"),
};
N_("-s, --report-identical-files  report when two files are the same"),
N_("-c, -C NUM, --context[=NUM]  output NUM (default 3) lines of copied context"),
N_("-u, -U NUM, --unified[=NUM]  output NUM (default 3) lines of unified context"),
N_("-e, --ed  output an ed script"),
N_("-n, --rcs  output an RCS format diff"),
N_("-y, --side-by-side  output in two columns"),
N_("-W, --width=NUM  output at most NUM (default 130) print columns"),
N_("  --left-column  output only the left column of common lines"),
N_("  --suppress-common-lines  do not output common lines"),
"",
N_("-p, --show-c-function  show which C function each change is in"),
N_("-F, --show-function-line=RE  show the most recent line matching RE"),
N_("  --label LABEL  use LABEL instead of file name
" (can be repeated)"),
"",
N_("-t, --expand-tabs  expand tabs to spaces in output"),
N_("-T, --initial-tab  make tabs line up by prepending a tab"),
N_("  --tabsize=NUM  tab stops every NUM (default 8) print columns"),
N_("  --suppress-blank-empty  suppress space or tab before empty output lines"),
N_("  --paginate  pass output through 'pr' to paginate it"),
"",
N_("-r, --recursive  recursively compare any subdirectories found"),
N_("  --no-dereference  don't follow symbolic links"),
N_("  --new-file  treat absent files as empty"),
N_("  --unidirectional-new-file  treat absent first files as empty"),
N_("  --ignore-file-name-case  ignore case when comparing file names"),
N_("  --no-ignore-file-name-case  consider case when comparing file names"),
N_("  --exclude=PAT  exclude files that match PAT"),
N_("  --exclude-from=FILE  exclude files that match any pattern in FILE"),
N_("  --starting-file=FILE  start with FILE when comparing directories"),
N_("  --from-file=FILE1  compare FILE1 to all operands;\n" FILE1 can be a directory"),
N_("  --to-file=FILE2  compare all operands to FILE2;\n" FILE2 can be a directory"),
"",
N_("-i, --ignore-case  ignore case differences in file contents"),
N_("-E, --ignore-tab-expansion  ignore changes due to tab expansion"),
N_("-Z, --ignore-trailing-space  ignore white space at line end"),
N_("-b, --ignore-space-change  ignore changes in the amount of white space"),
N_("-w, --ignore-all-space  ignore all white space"),
N_("-B, --ignore-blank-lines  ignore changes where lines are all blank"),
N_("-I, --ignore-matching-lines=RE  ignore changes where all lines match RE"),
"",
N_("-a, --text  treat all files as text"),
N_("  --strip-trailing-cr  strip trailing carriage return on input"),
#if O_BINARY
N_("  --binary  read and write data in binary mode"),
#endif
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```c
static void
usage (void)
{
    char const * const *p;
```
printf (_("Usage: %s [OPTION]... FILES\n"), program_name);
printf (_("%s\n\n", _("Compare FILES line by line."));

fputs (_("\
Mandatory arguments to long options are mandatory for short options too.\n"), stdout);

for (p = option_help_msgid;  *p;  p++)
{
    if (!**p)
        putchar ('\n');
    else
    {
        char const *msg = _(*p);
        char const *nl;
        while ((nl = strchr (msg, '\n')))
            {
            int msglen = nl + 1 - msg;
            printf (_("%.*s", msglen, msg);
            msg = nl + 1;
            }
        printf (_("%s\n" + 2 * (*msg != ' ' && *msg != '-'), msg);
    }
}
emit_bug_reporting_address();

/* Set VAR to VALUE, reporting an OPTION error if this is a
   conflict. */
static void
specify_value (char const **var, char const *value, char const *option)
{
    if (*var && ! STREQ (*var, value))
        {
            error (0, 0, _("conflicting %s option value '%s'"), option, value);
            try_help (NULL, NULL);
        }
    *var = value;
}

/* Set the output style to STYLE, diagnosing conflicts. */
static void
specify_style (enum output_style style)
{
    if (output_style != style)
    {
if (output_style != OUTPUT_UNSPECIFIED)
try_help ("conflicting output style options", NULL);
    output_style = style;
}
}

/* Set the last-modified time of *ST to be the current time. */

static void
set_mtime_to_now (struct stat *st)
{
#define STAT_TIMESPEC
    gettime (&STAT_TIMESPEC (st, st_mtim));
#else
    struct timespec t;
    gettime (&t);
    st->st_mtime = t.tv_sec;
#define STAT_TIMESPEC_NS
    STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
#endif
    #endif

/* Compare two files (or dirs) with parent comparison PARENT
    and names NAME0 and NAME1.
    (If PARENT is null, then the first name is just NAME0, etc.)
    This is self-contained; it opens the files and closes them.

    Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if
different, EXIT_TROUBLE if there is a problem opening them. */

static int
compare_files (struct comparison const *parent,
        char const *name0,
        char const *name1)
{
    struct comparison cmp;
#define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
    register int f;
    int status = EXIT_SUCCESS;
    bool same_files;
    char *free0;
    char *free1;

    /* If this is directory comparison, perhaps we have a file
        that exists only in one of the directories.
If so, just print a message to that effect. */

if (! ((name0 && name1)
|| (unidirectional_new_file && name1)
|| new_file))
{
    char const *name = name0 ? name0 : name1;
    char const *dir = parent->file[!name0].name;

    /* See POSIX 1003.1-2001 for this format. */
    message ("Only in %s: %s\n", dir, name);

    /* Return EXIT_FAILURE so that diff_dirs will return
EXIT_FAILURE ("some files differ"). */
    return EXIT_FAILURE;
}

memset (cmp.file, 0, sizeof cmp.file);
cmp.parent = parent;

/* cmp.file[f].desc markers */
#define NONEXISTENT (-1) /* nonexistent file */
#define UNOPENED (-2) /* unopened file (e.g. directory) */
#define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */

#define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

cmp.file[0].desc = name0 ? UNOPENED : NONEXISTENT;
cmp.file[1].desc = name1 ? UNOPENED : NONEXISTENT;

/* Now record the full name of each file, including nonexistent ones. */

if (!name0)
    name0 = name1;
if (!name1)
    name1 = name0;

if (!parent)
{
    free0 = NULL;
    free1 = NULL;
    cmp.file[0].name = name0;
    cmp.file[1].name = name1;
}
else
{
    cmp.file[0].name = free0
    = file_name_concat (parent->file[0].name, name0, name0, NULL);

    /* cmp.file[1].name = name1 */
}

```
cmp.file[1].name = free1
= file_name_concat (parent->file[1].name, name1, NULL);
}

/* Stat the files. */

for (f = 0; f < 2; f++)
{
    if (cmp.file[f].desc != NONEXISTENT)
    {
        if (f && file_name_cmp (cmp.file[f].name, cmp.file[0].name) == 0)
        {
            cmp.file[f].desc = cmp.file[0].desc;
            cmp.file[f].stat = cmp.file[0].stat;
        }
        else if (STREQ (cmp.file[f].name, "."))
        {
            cmp.file[f].desc = STDIN_FILENO;
            if (binary && ! isatty (STDIN_FILENO))
                set_binary_mode (STDIN_FILENO, O_BINARY);
            if (fstat (STDIN_FILENO, &cmp.file[f].stat) != 0)
                cmp.file[f].desc = ERRNO_ENCODE (errno);
            else
            {
                if (S_ISREG (cmp.file[f].stat.st_mode))
                {
                    off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
                    if (pos < 0)
                        cmp.file[f].desc = ERRNO_ENCODE (errno);
                    else
                        cmp.file[f].stat.st_size =
                            MAX (0, cmp.file[f].stat.st_size - pos);
                }
            }
        } /* POSIX 1003.1-2001 requires current time for stdin. */
        set_mtime_to_now (&cmp.file[f].stat);
    }
}
else if ((no_dereference_symlinks
    ? lstat (cmp.file[f].name, &cmp.file[f].stat)
    : stat (cmp.file[f].name, &cmp.file[f].stat))
    != 0)
    cmp.file[f].desc = ERRNO_ENCODE (errno);
}

/* Mark files as nonexistent as needed for -N and -P, if they are
inaccessible empty regular files (the kind of files that ‘patch’
creates to indicate nonexistent backups), or if they are
top-level files that do not exist but their counterparts do
exist. */
for (f = 0; f < 2; f++)
    if ((new_file || (f == 0 &&& unidirectional_new_file))
        & & (cmp_file[f].desc == UNOPENED
            ? (S_ISREG (cmp_file[f].stat.st_mode)
                && ! (cmp_file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
                && cmp_file[f].stat.st_size == 0)
            : ((cmp_file[f].desc == ERRNO_ENCODE (ENOENT)
                && cmp_file[f].desc == ERRNO_ENCODE (EBADF))
                && ! parent
                && (cmp_file[1 - f].desc == UNOPENED
                    || cmp_file[1 - f].desc == STDIN_FILENO)))))
        cmp_file[f].desc = NONEXISTENT;
    
for (f = 0; f < 2; f++)
    if (cmp_file[f].desc == NONEXISTENT)
        
        memset (&cmp_file[f].stat, 0, sizeof cmp_file[f].stat);
        cmp_file[f].stat.st_mode = cmp_file[1 - f].stat.st_mode;
    
for (f = 0; f < 2; f++)
    
    int e = ERRNO_DECODE (cmp_file[f].desc);
    if (0 <= e)
    {
        errno = e;
        perror_with_name (cmp_file[f].name);
        status = EXIT_TROUBLE;
    }

if (status == EXIT_SUCCESS &&& ! parent &&& DIR_P (0) != DIR_P (1))
    
    /* If one is a directory, and it was specified in the command line,
    use the file in that dir with the other file’s basename. */
    
    int fnm_arg = DIR_P (0);
    int dir_arg = 1 - fnm_arg;
    char const *fnm = cmp_file[fnm_arg].name;
    char const *dir = cmp_file[dir_arg].name;
    char const *filename = cmp_file[dir_arg].name = free0
        = find_dir_file_pathname (dir, last_component (fnm));
    
    if (STREQ (fnm, "-"))
fatal ("cannot compare '-' to a directory");

    if ((no_dereference_symlinks

? lstat (filename, &cmp.file[dir_arg].stat)
 : stat (filename, &cmp.file[dir_arg].stat))
 != 0)
{
    perror_with_name (filename);
    status = EXIT_TROUBLE;
    
}

if (status != EXIT_SUCCESS)
{
    /* One of the files should exist but does not. */
}
else if (cmp.file[0].desc == NONEXISTENT
        && cmp.file[1].desc == NONEXISTENT)
{
    /* Neither file "exists", so there's nothing to compare. */
}
else if ((same_files
        = (cmp.file[0].desc != NONEXISTENT
            && cmp.file[1].desc != NONEXISTENT
            && 0 < same_file (&cmp.file[0].stat, &cmp.file[1].stat)
            && same_file_attributes (&cmp.file[0].stat, &cmp.file[1].stat))
            && no_diff_means_no_output)
{
    /* The two named files are actually the same physical file.  
We know they are identical without actually reading them. */
}
else if (DIR_P (0) & DIR_P (1))
{
    if (output_style == OUTPUT_IFDEF)
fatal ("-D option not supported with directories");

    /* If both are directories, compare the files in them. */

    if (parent && !recursive)
{
        /* But don't compare dir contents one level down 
unless -r was specified. 
See POSIX 1003.1-2001 for this format. */
message ("Common subdirectories: %s and %s\n", 
cmp.file[0].name, cmp.file[1].name);
    }
else
status = diff_dirs (&cmp, compare_files);
}
else if ((DIR_P (0) | DIR_P (1))
  && (parent
    && !(S_ISREG (cmp.file[0].stat.st_mode)
        || S_ISLNK (cmp.file[0].stat.st_mode))
    && (S_ISREG (cmp.file[1].stat.st_mode)
        || S_ISLNK (cmp.file[1].stat.st_mode))))
{
  if (cmp.file[0].desc == NONEXISTENT || cmp.file[1].desc == NONEXISTENT)
  {
    /* We have a subdirectory that exists only in one directory. */

    if ((DIR_P (0) | DIR_P (1))
        && recursive
        && (new_file
            || (unidirectional_new_file
                && cmp.file[0].desc == NONEXISTENT)))
      status = diff_dirs (&cmp, compare_files);
    else
    {
      char const *dir;

      /* PARENT must be non-NULL here. */
      assert (parent);
      dir = parent->file[cmp.file[0].desc == NONEXISTENT].name;

      /* See POSIX 1003.1-2001 for this format. */
      message5 ("Only in %s: %s
        while file %s is a %s\n",
        file_label[0] ? file_label[0] : cmp.file[0].name,
        file_type (&cmp.file[0].stat),
        file_type (&cmp.file[1].stat));

      /* See POSIX 1003.1-2001 for this format. */
      message5 ("File %s is a %s while file %s is a %s\n",
        file_label[0] ? file_label[0] : cmp.file[0].name,
        file_type (&cmp.file[0].stat),
        file_type (&cmp.file[1].stat));

      /* This is a difference. */
      status = EXIT_FAILURE;
    }
  }
else
{
  /* We have two files that are not to be compared. */

  /* See POSIX 1003.1-2001 for this format. */
  message5 ("File %s is a %s while file %s is a %s\n",
    file_label[0] ? file_label[0] : cmp.file[0].name,
    file_type (&cmp.file[0].stat),
    file_type (&cmp.file[1].stat));

  /* This is a difference. */
  status = EXIT_FAILURE;
}
}
else if (S_ISLNK (cmp.file[0].stat.st_mode) \
    || S_ISLNK (cmp.file[1].stat.st_mode))
{
    /* We get here only if we use lstat(), not stat(). */
    assert (no_dereference_symlinks);

    if (S_ISLNK (cmp.file[0].stat.st_mode) \
        && S_ISLNK (cmp.file[1].stat.st_mode))
    {
        /* Compare the values of the symbolic links. */
        char *link_value[2] = { NULL, NULL };

        for (f = 0; f < 2; f++)
        {
            link_value[f] = xreadlink (cmp.file[f].name);
            if (link_value[f] == NULL)
            {
                perror_with_name (cmp.file[f].name);
                status = EXIT_TROUBLE;
                break;
            }
        }

        if (status == EXIT_SUCCESS)
        {
            if ( ! STREQ (link_value[0], link_value[1]))
            {
                message5 ("Symbolic links %s and %s differ\n", \
                    cmp.file[0].name, cmp.file[1].name);

                /* This is a difference. */
                status = EXIT_FAILURE;
                break;
            }
        }

        for (f = 0; f < 2; f++)
            free (link_value[f]);
    }

    else
    {
        /* We have two files that are not to be compared, because
        one of them is a symbolic link and the other one is not. */

        message5 ("File %s is a %s while file %s is a %s\n", \
            file_label[0] ? file_label[0] : cmp.file[0].name, \
            file_type (&cmp.file[0].stat), \
            file_type (&cmp.file[1].stat));

        /* This is a difference. */
        status = EXIT_FAILURE;
    }
else if (files_can_be_treated_as_binary
&& S_ISREG (cmp.file[0].stat.st_mode)
&& S_ISREG (cmp.file[1].stat.st_mode)
&& cmp.file[0].stat.st_size != cmp.file[1].stat.st_size)
{
    message ("Files %s and %s differ\n",
            file_label[0] ? file_label[0] : cmp.file[0].name,
    status = EXIT_FAILURE;
} else
{
    /* Both exist and neither is a directory. */

    /* Open the files and record their descriptors. */

    int oflags = O_RDONLY | (binary ? O_BINARY : 0);

    if (cmp.file[0].desc == UNOPENED)
        if ((cmp.file[0].desc = open (cmp.file[0].name, oflags, 0)) < 0)
            { perror_with_name (cmp.file[0].name);
              status = EXIT_TROUBLE;
            }
        else if (same_files)
            cmp.file[1].desc = cmp.file[0].desc;
        else if ((cmp.file[1].desc = open (cmp.file[1].name, oflags, 0)) < 0)
            { perror_with_name (cmp.file[1].name);
              status = EXIT_TROUBLE;
            }
    /* Compare the files, if no error was found. */
    if (status == EXIT_SUCCESS)
        status = diff_2_files (&cmp);
    /* Close the file descriptors. */
    if (0 <= cmp.file[0].desc && close (cmp.file[0].desc) != 0)
        { perror_with_name (cmp.file[0].name);
          status = EXIT_TROUBLE;
        }
if (0 <= cmp.file[1].desc && cmp.file[0].desc != cmp.file[1].desc && close (cmp.file[1].desc) != 0)
{
  perror_with_name (cmp.file[1].name);
  status = EXIT_TROUBLE;
}

/* Now the comparison has been done, if no error prevented it,
and STATUS is the value this function will return. */

if (status == EXIT_SUCCESS)
{
  if (report_identical_files && !DIR_P (0))
    message ("Files %s and %s are identical\n", 
    file_label[0] ? file_label[0] : cmp.file[0].name, 
  else
  {
    /* Flush stdout so that the user sees differences immediately.
    This can hurt performance, unfortunately. */
    if (fflush (stdout) != 0)
      pfatal_with_name (_("standard output"));
  }

  free (free0);
  free (free1);

  return status;
}

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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 3a0982da308228d796df35f98d787c5cff2bb5b6.

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

Author: Julio Merino <jmmv84@gmail.com>

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

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1.659 javax-inject 1

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imap_gssapi.c is partially derived from sample code in:
* GSS-API Programming Guide
* Part No: 816-1331-11
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Network Working Group    H. Krawczyk
Request for Comments: 2104    IBM
Category: Informational   M. Bellare
          R. Canetti
          IBM
          February 1997

HMAC: Keyed-Hashing for Message Authentication

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

That's all there is to it!
/* 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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INFO_LDAPMODIFY_ARG_DESCRIPTION_ASSURED_REPLICATION("Indicates that all operation requests should include the UnboundID-proprietary 'assured replication' request control to indicate that the server should delay returning a response to the client until a minimum amount of replication processing has been performed for the operation. The "--{0}", "--{1}", and "--{2}" arguments may be used to configure the settings to use for the assured replication control, but the server will automatically determine an appropriate value for any argument that is not provided."), Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request.
INFO_LDAPMODIFY_ARG_DESCRIPTION_GET_AUTHZ_ENTRY_ATTR("Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return
the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request.

Indicates that all bind requests should include the UnboundID-proprietary 'get user resource limits' request control to request the server return information about resource limits (e.g., size limit, time limit, idle time limit, etc.) imposed for the user.

Indicates that all delete requests should include the UnboundID-proprietary 'hard delete' request control, which will permanently delete the target entry even if the server would have otherwise performed a soft delete operation to hide the entry for a period of time before deleting it.

Indicates that all add requests should include the UnboundID-proprietary 'ignore NO-USER-MODIFICATION' request control to permit setting values for certain operational attributes not normally permitted to be provided by external clients.

Indicates that all operations should include the UnboundID-proprietary 'operation purpose' request control to provide the specified reason for the operation.

Indicates that any modify operation that targets either the '{0}' or '{1}' attribute should include the UnboundID-proprietary 'purge current password' request control. This will indicate that the server should purge the current password from the entry (even if it would have otherwise been retired for a brief period of time).

Indicates that all operation requests should include the UnboundID-proprietary 'replication repair' request control. This will cause the change to be applied only to the target directory server instance but not to any other server in the replication topology.

Indicates that all add and modify requests that target either the '{0}' or '{1}' attribute should include the UnboundID-proprietary 'password validation details' request control to indicate that the response should include information about the password quality requirements that the server will impose for the target user's password and whether the provided password satisfies each of those constraints.

Indicates that all add requests should include the UnboundID-proprietary 'name with entryUUID' control to indicate that the server should use the entryUUID instead of the provided RDN.

Indicates that any modify operation that targets either the '{0}' or '{1}' attribute should include the UnboundID-proprietary 'purge current password' request control. This will indicate that the server should purge the current password from the entry (even if it would have otherwise been retired for a brief period of time).

Indicates that all operation requests should include the UnboundID-proprietary 'replication repair' request control. This will cause the change to be
applied only to the target directory server instance but not to any other server in the replication topology.

Indicates that any modify operation that targets either the "(0)" or "(1)" attribute should include the UnboundID-proprietary 'retire current password' request control. This will indicate that the server should continue to allow the user to authenticate with their current password (in addition to the new password) for a brief period of time.

INFO_LDAPMODIFY_ARG_DESCRIPTION_RETIRE_CURRENT_PASSWORD("Indicates that any modify operation that targets either the "(0)" or "(1)" attribute should include the UnboundID-proprietary 'retire current password' request control. This will indicate that the server should continue to allow the user to authenticate with their current password (in addition to the new password) for a brief period of time.

Indicates that all delete requests should include the UnboundID-proprietary 'soft delete' request control, which indicates that the server should hide the entry for a period of time before deleting it so that it may be restored with an undelete operation if the delete should be reverted.

INFO_LDAPMODIFY_ARG_DESCRIPTION_SOFT_DELETE("Indicates that all delete requests should include the UnboundID-proprietary 'soft delete' request control, which indicates that the server should hide the entry for a period of time before deleting it so that it may be restored with an undelete operation if the delete should be reverted.

Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod'.

INFO_LDAPMODIFY_ARG_DESCRIPTION_SUPPRESS_OP_ATTR_UPDATES("Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod'.

Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times if multiple branches should be included.

INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_AUTHZ_ENTRY_ATTR("Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request.

INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_AUTHZ_ENTRY_ATTR("Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request.

Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights that a user has when interacting with each matching entry. This argument may be provided
multiple times to specify multiple attributes.

INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_EFFECTIVE_RIGHTS_ATTR("Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights that a user has when interacting with each matching entry. This argument may be provided multiple times to specify multiple attributes."). Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights the specified user has when interacting with each matching entry.

INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_EFFECTIVE_RIGHTS_AUTHZID("Indicates that all search requests should include the UnboundID-proprietary 'get user resource limits' request control to request that the server return information about resource limits (e.g., size limit, time limit, idle time limit, etc.) imposed for the user."). Indicates that all bind requests should include the UnboundID-proprietary 'return conflict entries request control' to indicate that the server may return any replication conflict entries that match the search criteria. Replication conflict entries are normally excluded from search results.

INFO_LDAPSEARCH_ARG_DESCRIPTION_INCLUDE_REPL_CONFLICTS("Indicates that all search requests should include the UnboundID-proprietary 'return conflict entries request control' to indicate that the server may return any replication conflict entries that match the search criteria. Replication conflict entries are normally excluded from search results."). Indicates that all search requests should include the UnboundID-proprietary 'return conflict entries request control' to indicate that the server may return any soft-deleted entries that match the search criteria. Soft-deleted entries are normally excluded from search results. The value for this argument must be one of: 'with-non-deleted-entries' (indicates that both regular and soft-deleted entries should be returned), 'without-non-deleted-entries' (indicates that only soft-deleted entries should be returned), or 'deleted-entries-in-undeleted-form' (returns only soft-deleted entries in the form in the form the entry had before it was deleted).

INFO_LDAPSEARCH_ARG_DESCRIPTION_MATCHING_ENTRY_COUNT_CONTROL("Indicates that all search requests should include the UnboundID-proprietary 'return conflict entries request control' to indicate that the server may return any soft-deleted entries that match the search criteria. Soft-deleted entries are normally excluded from search results. The value for this argument must be one of: 'with-non-deleted-entries' (indicates that both regular and soft-deleted entries should be returned), 'without-non-deleted-entries' (indicates that only soft-deleted entries should be returned), or 'deleted-entries-in-undeleted-form' (returns only soft-deleted entries in the form in the form the entry had before it was deleted)."). Indicates that all search requests should include the UnboundID-proprietary 'matching entry count' request control, which indicates that the server should return information about the number of entries that match the search criteria. The maximum number of entries to examine must be specified, which helps indicate whether an exact count or an estimate will be returned. If alwaysExamine is specified and the number of candidates is less than the examine count, then each candidate will be examined to verify that it matches the criteria and would actually be returned to the client in a search. If allowUnindexed is specified, then the count will be allowed to be processed even if the search is unindexed (and may take a very long time to complete). If debug is specified, then additional debug information may be included in the output.
unindexed (and may take a very long time to complete). If debug is specified, then additional debug information may be included in the output.

Indicates that all search requests should include the UnboundID-proprietary 'operation purpose' request control to provide the specified reason for the operation. 

Indicates that all search requests should include the UnboundID-proprietary permit unindexed search request control to indicate that the server should process the search operation even if it cannot do so efficiently using server indexes. The requester must have either the unindexed-search or unindexed-search-with-control privilege.

Indicates that all search requests should include the UnboundID-proprietary 'real attributes only' request control to indicate that the server should not include any virtual attributes in entries that are returned.

Indicates that all search requests should include the UnboundID-proprietary 'virtual attributes only' request control to indicate that the server should only include virtual attributes in entries that are returned.

Indicates that all search requests should include the UnboundID-proprietary reject unindexed search request control to indicate that the server should not process the search operation if it cannot do so efficiently using server indexes, even if the requester has the unindexed-search privilege.

Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod'.

Indicates that all search requests should include the UnboundID-proprietary virtual attributes only' request control to indicate that the server should only include virtual attributes in entries that are returned.
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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."). The quality of protection that should be used for any communication that occurs after the authentication has completed. 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. INFO_SASL_GSSAPI_OPTION_QOP("The quality of protection that should be used for any communication that occurs after the authentication has completed. 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.").' Found license 'GNU Lesser General Public License' in 'All Rights Reserved. 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this Lesser General Public License (also called "this License").
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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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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.

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
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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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
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to use the modified definitions.)

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

c) Accompany the work with a written offer, valid for at least
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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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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
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(if any) on which the executable work runs, or a compiler used to 
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control those activities. However, it does not include the work's 
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programs which are used unmodified in performing those activities but 
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a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

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

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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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* https://github.com/eclipse-ee4j/metro-wsit
* https://github.com/eclipse-ee4j/metro-mimepull
* https://github.com/eclipse-ee4j/metro-ws-test-harness
* https://github.com/eclipse-ee4j/metro-package-rename-task
* https://github.com/eclipse-ee4j/metro-jax-ws
* https://github.com/eclipse-ee4j/metro-saaj
* https://github.com/eclipse-ee4j/metro-jwsdp-samples
* https://github.com/eclipse-ee4j/jax-rpc-ri

## Third-party Content

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addressing.xml Version: 2004/10 (n/a)

* License: W3C
* Project: https://www.w3.org/Submission/ws-addressing/
* Source: http://schemas.xmlsoap.org/ws/2004/08/addressing/

ant-launcher (1.10.2)

* License: Apache-2.0 AND SAX-PD AND W3C
* Project: https://ant.apache.org/
* Source: http://central.maven.org/maven2/org/apache/ant/ant-launcher/1.10.2/ant-launcher-1.10.2-sources.jar

Apache Ant (1.6)

* License: Apache-1.1
* Project: https://ant.apache.org/
* Source: https://repo1.maven.org/maven2/org/apache/ant/ant/1.6/ant-1.6-sources.jar
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commons-logging (1.1.2)

* License: Apache-2.0
* Project: https://commons.apache.org/proper/commons-logging/
* Source: http://central.maven.org/maven2/commons-logging/commons-logging/1.1.2/commons-logging-1.1.2-sources.jar

JUnit (4.12)

* License: Eclipse Public License

maven-core (3.5.2)

* License: Apache-2.0

maven-plugin-annotations (3.5.1)

* License: Apache-2.0
* Source: https://github.com/apache/maven-plugin-tools/tree/maven-plugin-tools-3.5.1/maven-plugin-annotations

maven-plugin-api (3.5.2)

* License: Apache-2.0
* Project: https://maven.apache.org/
* Source: https://github.com/apache/maven/tree/master/maven-plugin-api

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maven-settings (3.5.2)

* License: Apache-2.0

mex.xsd Version: 2004/09 (n/a)

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relaxng-datatype (1.0)

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stax2-api (4.1)

* License: Pending
* Project: https://github.com/FasterXML/stax2-api
* Source:

testng (6.14.2)

* License: Apache-2.0 AND MIT
* Project: https://testng.org/doc/index.html
* Source: https://github.com/cbeust/testng

woodstox-core-asl (4.4.1)

* License: Apache-2.0

woodstox-core-asl (5.1.0)

* License: Pending
* Project: https://github.com/FasterXML/woodstox
* Source: https://github.com/FasterXML/woodstox

ws-addr.wsd (1.0)

* License: W3C
* Project: https://www.w3.org/2005/08/addressing/
* Source: https://www.w3.org/2006/03/addressing/ws-addr.xsd

wsat.xsd Version: 2004/10 (n/a)

* License: Oasis Style
* Source: http://schemas.xmlsoap.org/ws/2004/10/wsat/wsat.xsd

wscoor.xsd (1.0)
* License: OASIS Style

wscoor.xsd (1.1)

* License: Oasis (Custom)
* Project: http://docs.oasis-open.org/ws-tx/wscoor/2006/06
* Source:
  http://docs.oasis-open.org/ws-tx/wscoor/2006/06/wstx-wscoor-1.1-schema-200701.xsd

wstx-wsat.xsd (1.1)

* License: Oasis (Custom)

wsrm Version: 2005/02 (n/a)

* License: Oasis (Custom)
* Project: http://schemas.xmlsoap.org/ws/2005/02/rm/
* Source:

wsrm.xsd (1.2)

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xmlsec (1.5.8)

* License: Apache-2.0
* Project: http://santuario.apache.org/
* Source:
  https://repo1.maven.org/maven2/org/apache/santuario/xmlsec/1.5.8/xmlsec-1.5.8-sources.jar

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1.688 utility-library 1.8

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1.690 javax-inject 2.5.0

1.691 perl-pathtools 3.40-5.el7

1.692 aether-spi 1.1.0

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

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

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----------

. The file `src/libs/snprintf/snprintf.c', written by Mark Martinec
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The complete snprintf package together with documentation is available from

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The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c

src/include/DviChar.h
src/include/XFontName.h

src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c

Macro Packages
--------------

. The -mdoc macro set, using the BSD license.

tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man

. The -me macro set, using the BSD license.

tmac/e.tmac
tmac/groff_me.man
doc/meintro.me
doc/meref.me

Hyphenation Patterns
---------------------

. The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of
the TeX system written by Donald E. Knuth; the master file can be found
at

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

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under the filenames `hyphen.<language>', e.g. `hyphen.de' or
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The file `tmac/hyphen.fr' contains the same patterns as the file `frhyph.tex' (for TeX), which can be found at

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The file `tmac/hyphen.sv' is identical to the file `svhyph.tex', which can be found at

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The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyphn.tex' and `dehypht.tex' (for TeX), which can be found at

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http://dante.ctan.org/CTAN/language/hyphenation/dehypht.tex

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The file `tmac/hyphenex.det' is identical to the file `dehyphtex.tex', which can be found at

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The file `tmac/hyphen.cs' contains the same patterns as the file `czhyphen.tex' (for TeX), which can be found in the archive

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1.709 berkeley-db 5.3.21 25.el7

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1.717 python-slip 0.4.0 4.el7

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    analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
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The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

- `analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java`
- `analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java`
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1.726 jackson-module-parameter-names 2.9.5

1.727 aether-transport-http 1.0.2.v20150114

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1.728 python-chardet 2.2.1 3.el7

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1.736 pyliblzma 0.5.3-11.el7

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<validation-config
 xmlns="http://jboss.org/xml/ns/javax/validation/configuration"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://jboss.org/xml/ns/javax/validation/configuration validation-configuration-1.1.xsd"
version="1.1">
  
  <property
name="hibernate.validator.constraint_mapping_contributors">org.hibernate.validator.test.cfg.ConstraintMappingContributorConfiguredInValidationXmlTest$MyConstraintMappingContributor1,org.hibernate.validator.test.cfg.ConstraintMappingContributorConfiguredInValidationXmlTest$MyConstraintMappingContributor2</property>
  </validation-config>
</?xml version="1.0" encoding="UTF-8"?>

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<validation-config  
xmlns="http://jboss.org/xml/ns/javax/validation/configuration"  
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"  
xsi:schemaLocation="http://jboss.org/xml/ns/javax/validation/configuration validation-configuration-1.1.xsd"  
version="1.1">  

  <property  
name="hibernate.validator.constraint_mapping_contributor">org.hibernate.validator.test.cfg.ConstraintMappingContributorConfiguredInValidationXmlTest$MyConstraintMappingContributor1</property>  
  <property  
name="hibernate.validator.constraint_mapping_contributors">org.hibernate.validator.test.cfg.ConstraintMappingContributorConfiguredInValidationXmlTest$MyConstraintMappingContributor2</property>  

</validation-config>  

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1.746 ethtool 4.8 10.el7

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- analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt
- analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt


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- analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/es/SpanishMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
- 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/it/ItalianMinimalStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
- analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseMinimalStemmer.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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Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original
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===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

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mecab-ipadic-2.7.0-20070801

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1.759 libxshmfence 1.2 1.el7

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1.761 snowball-stemmer 1.3.0.581.1
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1.763 slf4j 1.6.2

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1.764 geo-ip 1.5.0 14.el7

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1.774 hystrix-core 1.5.18

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size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1:  32  7648 0x83
#2:  7680  8704 0xa5
#5:  7936  4864 0x7 (freebsd)
#6: 12544  3584 0x7 (freebsd)
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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device  Boot   Start     End     Blocks   Id  System
---------  ------  -------  ------  --------  --  --------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout---------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td></td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

Create 2st primary partition
1beb82e7240e056e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e82f51a88a045db233418dd73f6e bsd.img

---layout---
__ts_dev__ 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
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<th>Start</th>
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<td></td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5 FreeBSD</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout---

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start end size fstype [fs size bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):

-------------------
b5c121c2091b2ff26b880551f6eac7112 bsd.img
---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#       start       end      size     fstype   [fsize bsize   cpg]
a:     4096      6144      2049     4.2BSD        0     0     0
c:     4096     20479     16384     unused        0     0
.d:      0     16064     16065     unused        0     0

BSD disklabel command (m for help):
Command (m for help):
-------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0  unused           5  4.1BSD           9  4.4LFS           d  boot
1  swap             6  Eighth Edition  a  unknown          e  ADOS
2  Version 6        7  4.2BSD           b  HPFS             f  HFS
3  Version 7        8  MS-DOS           c  ISO-9660        10  AdvFS
4  System V

BSD disklabel command (m for help):
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1.813 httpcore-nio 4.4.5

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1.829 spring-jcl 5.0.5

1.830 bean-validation-api 2.0.1
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1.831 netflix-infix 0.3.0

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 */
package org.elasticsearch.client.license;

import java.util.Locale;

public enum LicensesStatus {
    VALID((byte) 0),
    INVALID((byte) 1),
    EXPIRED((byte) 2);

    private final byte id;

    LicensesStatus(byte id) {
        this.id = id;
    }

    public int id() {
        return id;
    }

    public static LicensesStatus fromId(int id) {
        if (id == 0) {
            return VALID;
        } else if (id == 1) {
            return INVALID;
        } else if (id == 2) {
            return EXPIRED;
        } else {
            throw new IllegalStateException("no valid LicensesStatus for id=" + id);
        }
    }

    @Override
    public String toString() {
        return this.name().toLowerCase(Locale.ROOT);
    }

    public static LicensesStatus fromString(String value) {
        switch (value) {
            case "valid":
                return VALID;
            case "invalid":
                return INVALID;
            case "expired":
                return EXPIRED;
            default:
                throw new IllegalArgumentException("unknown licenses status [" + value + "]");
        }
    }
}
package org.elasticsearch.client.license;

import org.elasticsearch.client.Validatable;
import org.elasticsearch.common.Nullable;

public class StartTrialRequest implements Validatable {

    private final boolean acknowledge;
    private final String licenseType;

    public StartTrialRequest() {
        this(false);
    }

    public StartTrialRequest(boolean acknowledge) {
        this(acknowledge, null);
    }

    public StartTrialRequest(boolean acknowledge, @Nullable String licenseType) {
        this.acknowledge = acknowledge;
        this.licenseType = licenseType;
    }

    public boolean isAcknowledge() {
        return acknowledge;
    }
}
public String getLicenseType() {
    return licenseType;
}

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 */
package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class DeleteLicenseRequest extends TimedRequest {

}
public class GetLicenseResponse {

    private String license;

    GetLicenseResponse() {
    }

    public GetLicenseResponse(String license) {
        this.license = license;
    }

    public String getLicenseDefinition() {
        return license;
    }
}

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 */

package org.elasticsearch.client.license;

import org.elasticsearch.client.Validatable;

public class GetLicenseRequest implements Validatable {

    protected boolean local = false;

    GetLicenseRequest() {
    }

    public boolean isLocal() {

    }

}
return local;
}

public void setLocal(boolean local) {
    this.local = local;
}
}

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/**
 * Request and Response objects for the default distribution's License APIs.
 */
package org.elasticsearch.client.license;

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*/

package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class PutLicenseRequest extends TimedRequest {
    private String licenseDefinition;
    private boolean acknowledge = false;

    public PutLicenseRequest() {
    }

    public void setLicenseDefinition(String licenseDefinition) {
        this.licenseDefinition = licenseDefinition;
    }

    public String getLicenseDefinition() {
        return licenseDefinition;
    }

    public void setAcknowledge(boolean acknowledge) {
        this.acknowledge = acknowledge;
    }

    public boolean isAcknowledge() {
        return acknowledge;
    }

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package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class StartBasicRequest extends TimedRequest {
    private final boolean acknowledge;

    public StartBasicRequest() {
        this(false);
    }

    public StartBasicRequest(boolean acknowledge) {
        this.acknowledge = acknowledge;
    }

    public boolean isAcknowledge() {
        return acknowledge;
    }
}

package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.collect.Tuple;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.XContentParseException;
import org.elasticsearch.common.xcontent.XContentParser;
import org.elasticsearch.client.common.ProtocolUtils;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Objects;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;

public final class PutLicenseResponse {

    private static final ConstructingObjectParser<PutLicenseResponse, Void> PARSER = new
            ConstructingObjectParser<
                    "put_license_response", true, (a, v) -> {
            boolean acknowledged = (Boolean) a[0];
            LicensesStatus licensesStatus = LicensesStatus.fromString((String) a[1]);
            @SuppressWarnings("unchecked") Tuple<String, Map<String, String[]>> acknowledgements = (Tuple<String,
                    Map<String, String[]>>) a[2];
            if (acknowledgements == null) {
                return new PutLicenseResponse(acknowledged, licensesStatus);
            } else {
                return new PutLicenseResponse(acknowledged, licensesStatus, acknowledgements.v1(),
                        acknowledgements.v2());
            }
        });

    static {
        PARSER.declareBoolean(constructorArg(), new ParseField("acknowledged"));
        PARSER.declareString(constructorArg(), new ParseField("license_status"));
        PARSER.declareObject(optionalConstructorArg(), (parser, v) -> {
            Map<String, String[]> acknowledgeMessages = new HashMap<>();
            String message = null;
            XContentParser.Token token;
            String currentFieldName = null;
            while ((token = parser.nextToken()) != XContentParser.Token.END_OBJECT) {
                if (token == XContentParser.Token.FIELD_NAME) {
                    currentFieldName = parser.currentName();
                } else {
                    if (currentFieldName == null) {
                        throw new XContentParseException(parser.getTokenLocation(), "expected message header or
                                acknowledgement");
                    } else {
                        acknowledgeMessages.put(currentFieldName, parser.fieldValue());
                    }
                }
            }
            return new PutLicenseResponse(acknowledged, licensesStatus, acknowledgeMessages);
        });
    }
}
if ("message".equals(currentFieldName)) {
    if (token != XContentParser.Token.VALUE_STRING) {
        throw new XContentParseException(parser.getTokenLocation(), "unexpected message header type");
    }
    message = parser.text();
} else {
    if (token != XContentParser.Token.START_ARRAY) {
        throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement type");
    }
    List<String> acknowledgeMessagesList = new ArrayList<>();
    while ((token = parser.nextToken()) != XContentParser.Token.END_ARRAY) {
        if (token != XContentParser.Token.VALUE_STRING) {
            throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement text");
        }
        acknowledgeMessagesList.add(parser.text());
    }
    acknowledgeMessages.put(currentFieldName, acknowledgeMessagesList.toArray(new String[0]));
}
return new Tuple<>(message, acknowledgeMessages);
}

private boolean acknowledged;
private LicensesStatus status;
private Map<String, String[]> acknowledgeMessages;
private String acknowledgeHeader;

public PutLicenseResponse() {
}

public PutLicenseResponse(boolean acknowledged, LicensesStatus status) {
    this(acknowledged, status, null, Collections.<String, String[]>emptyMap());
}

public PutLicenseResponse(boolean acknowledged, LicensesStatus status, String acknowledgeHeader,
    Map<String, String[]> acknowledgeMessages) {
    this.acknowledged = acknowledged;
    this.status = status;
    this.acknowledgeHeader = acknowledgeHeader;
    this.acknowledgeMessages = acknowledgeMessages;
}
public boolean isAcknowledged() {
    return acknowledged;
}

public LicensesStatus status() {
    return status;
}

public Map<String, String[]> acknowledgeMessages() {
    return acknowledgeMessages;
}

public String acknowledgeHeader() {
    return acknowledgeHeader;
}

public static PutLicenseResponse fromXContent(XContentParser parser) throws IOException {
    return PARSER.parse(parser, null);
}

@Override
public boolean equals(Object o) {
    if (this == o) return true;
    if (o == null || getClass() != o.getClass()) return false;
    if (!super.equals(o)) return false;
    PutLicenseResponse that = (PutLicenseResponse) o;

    return status == that.status &&
           ProtocolUtils.equals(acknowledgeMessages, that.acknowledgeMessages) &&
           Objects.equals(acknowledgeHeader, that.acknowledgeHeader);
}

@Override
public int hashCode() {
    return Objects.hash(super.hashCode(), status, ProtocolUtils.hashCode(acknowledgeMessages),
                      acknowledgeHeader);
}

} /*
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package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.collect.Tuple;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.XContentParseException;
import org.elasticsearch.common.xcontent.XContentParser;
import java.io.IOException;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;

public class StartTrialResponse {

    private static final ConstructingObjectParser<StartTrialResponse, Void> PARSER = new ConstructingObjectParser<StartTrialResponse, Void>(
        "start_trial_response",
        true,
        (Object[] arguments, Void aVoid) -> {
            final boolean acknowledged = (boolean) arguments[0];
            final boolean trialWasStarted = (boolean) arguments[1];
            final String licenseType = (String) arguments[2];
            final String errorMessage = (String) arguments[3];
            @SuppressWarnings("unchecked")
            final Tuple<String, Map<String, String[]>> acknowledgeDetails = (Tuple<String, Map<String, String[]>>)
                arguments[4];
            final String acknowledgeHeader;
            final Map<String, String[]> acknowledgeMessages;

            if (acknowledgeDetails != null) {
                acknowledgeHeader = acknowledgeDetails.v1();
                acknowledgeMessages = acknowledgeDetails.v2();

                // Further processing...
            }

            // Remaining logic...
        }
    );

    // Public methods...
}

import java.io.IOException;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;

public class StartTrialResponse {

    private static final ConstructingObjectParser<StartTrialResponse, Void> PARSER = new ConstructingObjectParser<StartTrialResponse, Void>(
        "start_trial_response",
        true,
        (Object[] arguments, Void aVoid) -> {
            final boolean acknowledged = (boolean) arguments[0];
            final boolean trialWasStarted = (boolean) arguments[1];
            final String licenseType = (String) arguments[2];
            final String errorMessage = (String) arguments[3];
            @SuppressWarnings("unchecked")
            final Tuple<String, Map<String, String[]>> acknowledgeDetails = (Tuple<String, Map<String, String[]>>)
                arguments[4];
            final String acknowledgeHeader;
            final Map<String, String[]> acknowledgeMessages;

            if (acknowledgeDetails != null) {
                acknowledgeHeader = acknowledgeDetails.v1();
                acknowledgeMessages = acknowledgeDetails.v2();

                // Further processing...
            }

            // Remaining logic...
        }
    );

    // Public methods...
}
acknowledgeMessages = acknowledgeDetails.v2();
} else {
    acknowledgeHeader = null;
    acknowledgeMessages = null;
}

return new StartTrialResponse(acknowledged, trialWasStarted, licenseType, errorMessage,
    acknowledgeHeader,
    acknowledgeMessages);

static {
    PARSER.declareBoolean(constructorArg(), new ParseField("acknowledged"));
    PARSER.declareBoolean(constructorArg(), new ParseField("trial_was_started"));
    PARSER.declareString(optionalConstructorArg(), new ParseField("type");
    PARSER.declareString(optionalConstructorArg(), new ParseField("error_message");
    // todo consolidate this parsing with the parsing in PutLicenseResponse
    PARSER.declareObject(optionalConstructorArg(), (parser, aVoid) -> {

        final Map<String, String[]> acknowledgeMessages = new HashMap<>();
        String message = null;

        final Map<String, Object> parsedMap = parser.map();
        for (Map.Entry<String, Object> entry : parsedMap.entrySet()) {
            if (entry.getKey().equals("message")) {
                if (entry.getValue() instanceof String) {
                    message = (String) entry.getValue();
                } else {
                    throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement header type");
                }
            } else {
                if (entry.getValue() instanceof List) {
                    final List<String> messageStrings = new ArrayList<>();
                    @SuppressWarnings("unchecked")
                    final List<Object> messageObjects = (List<Object>) entry.getValue();
                    for (Object messageObject : messageObjects) {
                        if (messageObject instanceof String) {
                            messageStrings.add((String) messageObject);
                        } else {
                            throw new XContentParseException(parser.getTokenLocation(), "expected text in acknowledgement message");
                        }
                    }
                    acknowledgeMessages.put(entry.getKey(), messageStrings.toArray(new String[messageStrings.size()]));
                } else {
                    acknowledgeMessages.put(entry.getKey(), entry.getValue());
                }
            }
        }
    });
}
throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement message type");
}
}
}

if (message == null) {
    throw new XContentParseException(parser.getTokenLocation(), "expected acknowledgement header");
}

return new Tuple<>(message, acknowledgeMessages);
}, new ParseField("acknowledge");
}

public static StartTrialResponse fromXContent(XContentParser parser) throws IOException {
    return PARSER.apply(parser, null);
}

private final boolean acknowledged;
private final boolean trialWasStarted;
private final String licenseType;
private final String errorMessage;
private final String acknowledgeHeader;
private final Map<String, String[]> acknowledgeMessages;

public StartTrialResponse(boolean acknowledged,
    boolean trialWasStarted,
    String licenseType,
    String errorMessage,
    String acknowledgeHeader,
    Map<String, String[]> acknowledgeMessages) {
    this.acknowledged = acknowledged;
    this.trialWasStarted = trialWasStarted;
    this.licenseType = licenseType;
    this.errorMessage = errorMessage;
    this.acknowledgeHeader = acknowledgeHeader;
    this.acknowledgeMessages = acknowledgeMessages;
}

/**
 * Returns true if the request that corresponds to this response acknowledged license changes that would occur as a result of starting
 * a trial license
 */
public boolean isAcknowledged() {
    return acknowledged;
}
/**
   * Returns true if a trial license was started as a result of the request corresponding to this response. Returns false if the cluster
   * did not start a trial, or a trial had already been started before the corresponding request was made
   */
   public boolean isTrialWasStarted() {
      return trialWasStarted;
   }

   /**
   * If a trial license was started as a result of the request corresponding to this response (see @link #isTrialWasStarted()) then
   * returns the type of license that was started on the cluster. Returns null otherwise
   */
   public String getLicenseType() {
      return licenseType;
   }

   /**
   * If a trial license was not started as a result of the request corresponding to this response (see @link #isTrialWasStarted()) then
   * returns a brief message explaining why the trial could not be started. Returns false otherwise
   */
   public String getErrorMessage() {
      return errorMessage;
   }

   /**
   * If the request corresponding to this response did not acknowledge licensing changes that would result from
   * starting a trial license
   * (see @link #isAcknowledged()), returns a message describing how the user must acknowledge licensing changes as a result of
   * such a request. Returns null otherwise
   */
   public String getAcknowledgeHeader() {
      return acknowledgeHeader;
   }

   /**
   * If the request corresponding to this response did not acknowledge licensing changes that would result from
   * starting a trial license
   * (see @link #isAcknowledged()), returns a map. The map's keys are names of commercial Elasticsearch
   * features, and their values are
   * messages about how those features will be affected by licensing changes as a result of starting a trial license
   */
   public Map<String, String[]> getAcknowledgeMessages() {

return acknowledgeMessages;
}
}

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 */

package org.elasticsearch.client.license;

/**<n*
 * Status of an X-Pack license.
 */

public enum LicenseStatus {

    ACTIVE("active"),
    INVALID("invalid"),
    EXPIRED("expired");

private final String label;

LicenseStatus(String label) {
    this.label = label;
}
public String label() {
    return label;
}

public static LicenseStatus fromString(String value) {
    switch (value) {
    case "active":
        return ACTIVE;
    case "invalid":
        return INVALID;
    case "expired":
        return EXPIRED;
    default:
        throw new IllegalArgumentException("unknown license status [" + value + "]");
    }
}

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package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.collect.Tuple;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.XContentParseException;
import org.elasticsearch.common.xcontent.XContentParser;
import org.elasticsearch.rest.RestStatus;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Objects;

import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;
import static org.elasticsearch.common.xcontent.XContentParserUtils.ensureExpectedToken;

public class StartBasicResponse {

  private static final ConstructingObjectParser<StartBasicResponse, Void> PARSER = new ConstructingObjectParser<"start_basic_response", true, (a, v) -> {
    boolean basicWasStarted = (Boolean) a[0];
    String errorMessage = (String) a[1];
    if (basicWasStarted) {
      return new StartBasicResponse(StartBasicResponse.Status.GENERATED_BASIC);
    }
    StartBasicResponse.Status status = StartBasicResponse.Status.fromErrorMessage(errorMessage);
    @SuppressWarnings("unchecked") Tuple<String, Map<String, String[]>> acknowledgements = (Tuple<String, Map<String, String[]>>) a[2];
    return new StartBasicResponse(status, acknowledgements.v2(), acknowledgements.v1());
  });

  static {
    PARSER.declareBoolean(constructorArg(), new ParseField("basic_was_started"));
    PARSER.declareString(optionalConstructorArg(), new ParseField("error_message"));
    PARSER.declareObject(optionalConstructorArg(), (parser, v) -> {
      Map<String, String[]> acknowledgeMessages = new HashMap<>();
      String message = null;
      XContentParser.Token token;
      String currentFieldName = null;
      while ((token = parser.nextToken()) != XContentParser.Token.END_OBJECT) {
        if (token == XContentParser.Token.FIELD_NAME) {
          currentFieldName = parser.currentName();
        } else {
          if (currentFieldName == null) {
            throw new XContentParseException(parser.getTokenLocation(), "expected message header or acknowledgement");
          }
          if (new ParseField("message").getPreferredName().equals(currentFieldName)) {
            ensureExpectedToken(XContentParser.Token.VALUE_STRING, token, parser::getTokenLocation);
            message = parser.text();
          } else {
            if (token != XContentParser.Token.START_ARRAY) {
              throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement");
            }
          }
        }
      }
      if (new ParseField("message").getPreferredName().equals(currentFieldName)) {
        ensureExpectedToken(XContentParser.Token.VALUE_STRING, token, parser::getTokenLocation);
        message = parser.text();
      } else {
        if (token != XContentParser.Token.START_ARRAY) {
          throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement");
        }
      }
    });
  }
}
List<String> acknowledgeMessagesList = new ArrayList<>();
while ((token = parser.nextToken()) != XContentParser.Token.END_ARRAY) {
    ensureExpectedToken(XContentParser.Token.VALUE_STRING, token, parser::getTokenLocation);
    acknowledgeMessagesList.add(parser.text());
}
acknowledgeMessages.put(currentFieldName, acknowledgeMessagesList.toArray(new String[0]));
return new Tuple<>(message, acknowledgeMessages);

private Map<String, String[]> acknowledgeMessages;
private String acknowledgeMessage;

enum Status {
    GENERATED_BASIC(true, null, RestStatus.OK),
    ALREADY_USING_BASIC(false, "Operation failed: Current license is basic.", RestStatus.FORBIDDEN),
    NEED_ACKNOWLEDGEMENT(false, "Operation failed: Needs acknowledgement.", RestStatus.OK);

    private final boolean isBasicStarted;
    private final String errorMessage;
    private final RestStatus restStatus;

    Status(boolean isBasicStarted, String errorMessage, RestStatus restStatus) {
        this.isBasicStarted = isBasicStarted;
        this.errorMessage = errorMessage;
        this.restStatus = restStatus;
    }

    String getErrorMessage() {
        return errorMessage;
    }

    boolean isBasicStarted() {
        return isBasicStarted;
    }

    static StartBasicResponse.Status fromErrorMessage(final String errorMessage) {
        final StartBasicResponse.Status[] values = StartBasicResponse.Status.values();
        for (StartBasicResponse.Status status : values) {
            if (Objects.equals(status.errorMessage, errorMessage)) {
                return status;
            }
        }
        return null;
    }

    


throw new IllegalArgumentException("No status for error message ": errorMessage + "]");
    }
    }

private StartBasicResponse.Status status;

public StartBasicResponse() {
    }

StartBasicResponse(StartBasicResponse.Status status) {
    this(status, Collections.emptyMap(), null);
    }

StartBasicResponse(StartBasicResponse.Status status,
    Map<String, String[]> acknowledgeMessages, String acknowledgeMessage) {
    this.status = status;
    this.acknowledgeMessages = acknowledgeMessages;
    this.acknowledgeMessage = acknowledgeMessage;
    }

public boolean isAcknowledged() {
    return status != StartBasicResponse.Status.NEED_ACKNOWLEDGEMENT;
    }

public boolean isBasicStarted() {
    return status.isBasicStarted;
    }

public String getErrorMessage() {
    return status.errorMessage;
    }

public String getAcknowledgeMessage() {
    return acknowledgeMessage;
    }

public Map<String, String[]> getAcknowledgeMessages() {
    return acknowledgeMessages;
    }

public static StartBasicResponse fromXContent(XContentParser parser) throws IOException {
        return PARSER.parse(parser, null);
    }
}
1.833 grizzly-servlet-webserver 1.9.8

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```
1.845 libtool 2.4.2 22.el7_3

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This option is useful when you wish to copy part of the code of
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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
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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.

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

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1.853 geo-ip 1.5.0

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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 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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* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
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* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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```bash
<program> Copyright (C) <year> <name of author>
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```

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From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
   id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
   id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
   id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
Open Source Used In NAE (version 4.1) 4.1.1.47559

~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)  
From spcecdt@armory.com Wed May 10 10:21:11 1995  
Flags: 10  
Return-Path: spcecdt@armory.com  
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-1-ins) id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>) 
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3) id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>) 
From: John DuBois <spcecdt@armory.com>  
Date: Tue, 9 May 1995 22:33:12 -0700  
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>  
"ksh scripts" (May 9, 1:36pm)  
X-Www: http://www.armory.com/~spcecdt/  
X-Mailer: Mail User's Shell (7.2.5 10/14/92)  
To: chet@po.cwru.edu  
Subject: Re: ksh scripts  
Message-ID: <9505092233.aa13001@deepthought.armory.com>  

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John  

On May 9, 1:36pm, Chet Ramey wrote:  
} Subject: ksh scripts  
} From odin.ins.cwru.edu!chet Tue May  9 10:39:51 1995  
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;  
} 9 May 95 10:39 PDT  
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins) id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)  
} Date: Tue, 9 May 1995 13:36:54 -0400  
} From: Chet Ramey <chet@odin.ins.cwru.edu>  
} To: john@armory.com  
} Subject: ksh scripts  
} Cc: chet@odin.ins.cwru.edu  
} Reply-To: chet@po.cwru.edu  
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>  
} Read-Receipt-To: chet@po.CWRU.Edu  
} MIME-Version: 1.0  
} Content-Type: text/plain; charset=us-ascii  
} Status: OR  
}  
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

--

"The lyf so short, the craft so long to lerne." - Chaucer

Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey


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From mikel@ora.com Tue Aug  1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (8.6.12+cwru/CWRU-2.1-ins)
id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995 12:07:51 -0400
Received: by los.ora.com (4.1/Spike-2.1)
id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@inet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger to work with bash-2.0. Does ORA have any problem with me distributing it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and stick it in our ftp archive, and put a reference to it in the book.
(Too late to actually discuss the thing, at least for this edition).

--------
1.858 spring-boot 1.0.21

1.859 lua 5.1.4 15.el7
1.859.1 Available under license :

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1.860 numactl 2.0.12-3.el7_7.1

1.860.1 Available under license:

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
Michael Campanella (campanella@stevms.enet.dec.com)

/*

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VERSION: 2.1 PoliMorf
BUILD: 2016-02-13 19:37:50+01:00
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About XmlPull API

It is a minimalist API: very easy to implement standalone or on top of existing parser. The API allows both fast high
level iteration (using next() method) and low level tokenizing (using nextToken() token) and is designed for easy
building on top of it SAX, XML pull parsers that uses iterators with event objects, or even DOM implementations.
To to support J2ME and real small implementation parsing of DOCDECL is optional (but DOCDECL can be
The aim is to provide a similar but orthogonal pull parsing basis to widely successful push parsing SAX API. The 
XmlPull API is in public domain in hope that it will be embraced by Java developers (conformance tests are under 
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1.871 shadow-utils 4.6 5.el7

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Written by:       Philip Hazel
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zlib.h -- interface of the 'zlib' general purpose compression library
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1.885 fuse 2.9.2 11.el7

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1.886 mesa 18.3.4 5.el7
1.886.1 Available under license:

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> > What we meant with that is that we made an exception for clause 2.
> > Instead of clause 2, in the case of the Mesa project, you have to name
> > the technique Jimenez's MLAA in the config options of Mesa. We did that
> > just to allow them to solve license issues. This exception should be for
> > the Mesa project, and any project using Mesa, like Fedora.
> > > We want to widespread usage of our MLAA, so we want to avoid any kind of
> > license complications. Hope current one is good for Fedora, if not
> > please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default quality". Is this in compliance with your exception?

Thanks again,

~tom

==
Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==

Fedora Project

/* Legal characters in GLSL are:

* * Identifier characters:
* *
* * Letters a-z
* * Letters A-Z
* * Underscore
* * Numbers 0-9
* *
* * Punctuation:
* *
* * Period, plus, dash, slash, asterisk, percent, angled brackets,
* * square brackets, parentheses, braces, caret, vertical bar,
* * ampersand, tilde, equals, exclamation point, colon, semicolon,
* * comma, and question mark
* *
* * Special:
* */
*  Number sign (as used in preprocessor)
*  
*  Backslash just before newline as line continuation
*  
*  White space:
*  
*  Space, horizontal tab, vertical tab, form feed, carriage-return, 
*  and line-feed.
*  
* [GLSL Language Specification 4.30.6, section 3.1]
*  
* In this file, we test each of these in turn as follows:
*  
*  Identifier characters: All pass through unchanged
*  Punctuation: All pass through unchanged
*  Special: Empty directive replaced with blank line
*  Line continuation merges two lines, then a blank line
*  Whitespace: 4 horizontal space characters each replaced with space
*  2 newline characters each replaced with a newline
*  
*/

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<=
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<table>
<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
<tr>
<td>Gallium code</td>
<td>src/gallium/</td>
<td>MIT</td>
</tr>
<tr>
<td>Ext headers</td>
<td>include/GL/glext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td>GLX client code</td>
<td>src/glx/</td>
<td>SGI Free Software License B</td>
</tr>
<tr>
<td>C11 thread</td>
<td>include/c11/threads*.h</td>
<td>Boost (permissive)</td>
</tr>
</tbody>
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A "png_get_copyright" function is available, for convenient use in "about" boxes and the like:

        printf("%s",png_get_copyright(NULL));

Also, the PNG logo (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg (88x31) and "pngnow.png" (98x31).

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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
September 27, 2012

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

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Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

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

1.895 cracklib 2.9.0-11.el7

1.895.1 Available under license :

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

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

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
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released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.

-- Nathan

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

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> [mailto:cracklib-devel-bounces@li...] On Behalf Of
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Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
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What I am hearing so far is that LGPL makes sense, since it can be
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Re: [Cracklib-devel] cracklib license
From: Devin Read <gdr@gn...> - 2007-10-02 15:04
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it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
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I like GPL, I use it when I can, but I don't think that it's the correct
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GPLv2 with the option of using the library under a later version of the
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GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

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

Cheers,

Nalin

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

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

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

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

This package was debianized by Jean Pierre LeJacq <jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt <martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner <jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib

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

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

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Copyright information:

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This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

-------------------------------------
-----------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
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The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

---------
Below is original licensing discussion re changing to GPL from Artistic.
---------
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585

Lines: 21

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

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

Happy now? :-)

-a

GNU LESSER GENERAL PUBLIC LICENSE
Version 2.1, February 1999

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the version number 2.1.]

Preamble

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

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

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

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^L

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(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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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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1.896 glib 2.56.1 5.el7

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

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1.900 latencyutils 2.0.3

1.901 lz4 1.7.5 3.el7
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.920 python-prettytable 0.7.2 3.el7

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1.921 dbus-python 1.1.1-9.el7

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1.922 perl-carp 1.26-244.el7

1.923 libx11 1.6.7 2.el7

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1.928 cronie 1.4.11 23.el7
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//@(#)bitstring.h8.1 (Berkeley) 7/19/93

1.929 springfox-schema 2.9.2

1.930 commons-modeler 2.0.1
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That's all there is to it!

1.932 vim 7.4.629 6.el7

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Arnaud LE HORS      BULL Research FRANCE -- Koala Project
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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

if version < 600
  " Remove any old syntax stuff hanging around
  syn clear
elseif exists("b:current_syntax")
  finish
endif

" Product specification files are case sensitive
syn case match

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

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

syn match  psfObjTag    "\<[\_+A-Z0-9a-z]+\[\_+A-Z0-9a-z]+\[\"^\]?+ contained
syn match  psfAttAbbrev ",\<[\_+|A-Za-z]+\[\_+|A-Za-z]+\[\]^[|\]="* contained
syn match  psfObjTags   "\<[\_+A-Z0-9a-z]+\[\_+A-Z0-9a-z]+\[\"^\]?+ contained
Some of the attributes covered by attUnquotString and attQuotString:

- architecture
- category
- category_tag
- control
- directory
- file_permissions
- install_source
- install_type
- location
- machine_type
- mod_date
- number
- os_name
- os_release
- os_version
- pose_as_os_name
- pose_as_os_release
- readme
- revision
- share_link
- title
- vendor_tag

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

- psfAttTag
- psfAttSpec
- psfAttTags
- psfAttNumber
- psfAttTime
- psfAttFloat
syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\+" contains=psfLongDate,psfComment end="$" keepend oneline

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

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

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

syn match  psfComment "#.*$"

" Define the default highlighting.
" For version 5.7 and earlier: only when not done already
" For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
  if version < 508
    let did_psf_syntax_inits = 1
    command -nargs=+ HiLink hi link <args>
  else
    command -nargs=+ HiLink hi def link <args>
  endif
endif

HiLink psfObject       Statement
HiLink psfAttrib       Type
HiLink psfQuotString   String
HiLink psfObjTag       Identifier
HiLink psfAttAbbrev    PreProc
HiLink psfObjTags      Identifier

HiLink psfComment      Comment

delcommand HiLink
endif

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

let b:current_syntax = "psf"
*uganda.txt*    For Vim version 7.4.  Last change: 2013 Jul 06
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.icf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for features. See [sponsor]. The money goes to Uganda anyway.

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

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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
currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form
that you can use for this. See "Others" below for the swift
code and IBAN number.
Any other method should work. Ask for information about
sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It's
really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is
preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.
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### 1.939 joda-time 2.9.9

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This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG Group.

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DOCUMENTATION ROADMAP

This file contains the following sections:

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

Other documentation files in the distribution are:

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

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
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

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.
inserting and extracting textual comments in JFIF files.

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

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

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

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

We are required to state that
REFERENCES
============

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

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

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


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

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

The JPEG standard does not specify all details of an interchangeable file 
format. For the omitted details we follow the "JFIF" conventions, revision 
1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at 
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text 
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing 
the figures.

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

ARCHIVE LOCATIONS
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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.
1.942 maven-model-builder 3.6.3
1.942.1 Available under license:

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1.944 tcp-wrapper 7.6 77.el7

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1.946 tomcat-embed-websocket 8.5.29

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1.947 unzip 6.0-20.el7.0atomix2

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Doug Lea

1.954 jackson-datatype-jsr310 2.9.5

1.954.1 Available under license:

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1.955 rx-netty-servo 0.4.9

1.956 glibc 2.17 292.el7

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

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(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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Ty Coon, President of Vice
That's all there is to it!
commit ef7344f09c5ce00eb519ed14598b2a8e39c68387
Author: Joseph Myers <joseph@codesourcery.com>
Date:   Sun Dec 22 14:49:48 2013 +0000

Flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

As discussed in
https://sourceware.org/ml/libc-alpha/2012-04/msg00840.html and
https://sourceware.org/ml/libc-alpha/2012-04/msg00989.html, it seems
appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes
are: update paths in sysdeps/mach/hurd/Implies and
sysdeps/unix/sysv/linux/wait3.c; merge the two syscalls.list files,
with the removal of syscalls that were in
sysdeps/unix/bsd/syscalls.list but overridden in the bsd4.4 directory
by .c files there.

Tested x86_64. The installed shared libraries are identical before
and after the patch except for libc.so where the move of wait3.c
(included by sysdeps/unix/sysv/linux/wait3.c) affects debug info, but
the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscalls.list (chflags): Add entry from
sysdeps/unix/bsd4.4/syscalls.list.
  (fchflags): Likewise.
  (revoke): Likewise.
  (setlogin): Likewise.
  (sigaltstack): Likewise.
  (wait4): Likewise.
  (sigblock): Remove.
  (sigsetmask): Likewise.
  (wait3): Likewise.
  (waitpid): Likewise.
* sysdeps/unix/bsd4.4/syscalls.list: Remove file.
* sysdeps/unix/sysv/linux/wait3.c: Update directory of included
  file.
* sysdeps/unix/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd/Makefile: ... here.
* sysdeps/unix/bsd4.4/Versions: Move to ...
* sysdeps/unix/bsd/Version: ... here.
* sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h: Move to ...
* sysdeps/unix/bsd/bits/sockaddr.h: ... here.
* sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c: Move to ...
* sysdeps/unix/bsd/cmsg_nxthdr.c: ... here.
* sysdeps/unix/bsd4.4/sigblock.c: Move to ...
diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234c1fdf1522 100644
--- a/sysdeps/mach/hurd/Implies
+++ b/sysdeps/mach/hurd/Implies
@@ -2,4 +2,4 @@
# Hurd-based GNU systems.
gnu
# The Hurd provides a rough superset of the functionality of 4.4 BSD.
-unix/bsd/bsd4.4
+unix/bsd

diff --git a/sysdeps/unix/bsd/bsd4.4/Makefile b/sysdeps/unix/bsd/Makefile
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd/bsd4.4/Makefile
+++ /dev/null
@@ -1,8 +0,0 @@
-# File nameCallerSyscall name# argsStrong nameWeak names
-

-chflags-chflags2chflags
-fchflags-fchflags2chflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstack__sigaltstack
-wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd/b444/cmsg_nxhdr.c b/sysdeps/unix/b444/cmsg_nxhdr.c
+chflags
+chflags2chflags
-fchflags-fchflags2chflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstack__sigaltstack
-wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd/b444/cmsg_nxhdr.c b/sysdeps/unix/b444/cmsg_nxhdr.c
+chflags
+chflags2chflags
-fchflags-fchflags2chflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstack__sigaltstack
-wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd/b444/sigblock.c b/sysdeps/unix/b444/sigblock.c
+revoke
+revoke1revoke
+setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstack__sigaltstack
-sigpause-sigpause1__sigpausesigpause
-sigsetmask-sigsetmask1__sigsetmask__sigsetmask
-sigstack-sigstack2sigstack
-sigvec-sigvec3__sigvecsigvec
-wait3-wait33__wait3wait3
-waitpid-waitpid3__waitpidwaitpid
+wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd/b444/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcdrain.c
rename to sysdeps/unix/tcdrain.c
diff --git a/sysdeps/unix/bsd4.4/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
similar index 100%
rename from sysdeps/unix/bsd4.4/tcdrain.c
rename to sysdeps/unix/tcdrain.c
diff --git a/sysdeps/unix/bsd4.4/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
similar index 100%
rename from sysdeps/unix/bsd4.4/tcdrain.c
diff --git a/sysdeps/unix/bsd4.4/tcdrain.c b/sysdeps/unix/bsd4.4/tcdrain.c
rename to sysdeps/unix/bsd/tcdrain.c

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were developed by Martin Porter and Richard Boulton.
The full snowball package is available from
http://snowball.tartarus.org/
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analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst)
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stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
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analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

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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/es/SpanishLightStemmer.java
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1.979 spring-security-web 5.0.4

1.980 lksctp-tools 1.0.17-2.el7

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1.981 javacpp 1.2

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1.982 s2 3.4.10-r0

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zlib.h -- interface of the 'zlib' general purpose compression library
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VERSION 1, OCTOBER 16, 2018

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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.

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 it.

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse
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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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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.

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

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

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This option is useful when you wish to copy part of the code of
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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
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If distribution of object code is made by offering access to copy
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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.

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

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

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

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1.1003 spring-security-core 5.0.4

1.1004 jersey-server 1.1.5.1

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1.1005 perl-pod-usage 1.63 3.el7
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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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

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

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:

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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,

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

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

If distribution of executable or object code is made by offering
access to copy from a designated place, then offering equivalent
access to copy the source code from the same place counts as
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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply and the section as a whole is intended to apply in other circumstances.

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@end enumerate

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

@page
@heading Appendix: How to Apply These Terms to Your New Programs

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

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

@smallexample
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{yyyy}  @var{name of author}

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
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You should have received a copy of the GNU General Public License
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Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
@end smallexample

Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

@example
Gnomovision version 69, Copyright (C) @var{year} @var{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.
@end example

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

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

@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.
@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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[This is the first released version of the Lesser GPL. It also counts]
as the successor of the GNU Library Public License, version 2, hence the
version number 2.1.]
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freedom to share and change it. By contrast, the GNU General Public
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specially designated software---typically libraries---of the Free
Software Foundation and other authors who decide to use it. You can use
it too, but we suggest you first think carefully about whether this
license or the ordinary General Public License is the better strategy to
use in any particular case, based on the explanations below.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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1.1025 spring-boot-autoconfigure 2.0.1

1.1026 reactive-streams 1.0.2

1.1027 xpp 1.1.3.1
1.1028 open-ssl 1.0.2k

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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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analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
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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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1.1039 netty-transport 4.1.23

1.1040 transport-netty4-client 6.5.4

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1.1041 jaxb-runtime 2.3.0

1.1042 gettext 2.17 292.el7
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@ifex
@heading END OF TERMS AND CONDITIONS
@end ifex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo
@page
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possible use to the public, the best way to achieve this is to make it
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to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least
the ``copyright'' line and a pointer to where the full notice is found.

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@end smallexample

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This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
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source code from the same place satisfies the requirement to
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1. A program that contains no derivative of any portion of the
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work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
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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.

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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
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@enumerate a
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1.1053 jackson-databind 2.9.3

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# Jackson JSON processor

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

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routine to provide support.

# Contributions to the OpenBLAS project

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  * [2013-06-11] Optimize AVX and FMA4 ZGEMM on AMD Bulldozer
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  * [2013-06-16] Optimize dgemv_n kernel on AMD Bulldozer
  * [2013-06-20] Optimize ddot, daxpy kernel on AMD Bulldozer
  * [2013-06-21] Optimize dcopy kernel on AMD Bulldozer
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  * Optimization on Intel Haswell

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* Alexander Eberspcher <https://github.com/aeberspaecher>
  * [2012-05-02] Add note on patch for segfaults on Linux kernel 2.6.32.

* Mike Nolta <mike@nolta.net>
  * [2012-05-19] Fix building bug on FreeBSD and NetBSD.

* Sylvester Ledru <https://github.com/sylvestre>
  * [2012-07-01] Improve the detection of sparc. Fix building bug under Hurd and kfreebsd.

* Jameson Nash <https://github.com/vtjnash>
  * [2012-08-20] Provide support for passing CFLAGS, FFLAGS, PFLAGS, FPFLAGS to make on the command line.

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  * [2012-11-14] Fix compilation with TARGET=GENERIC. Patch applied to Debian package.
  * [2013-08-28] Avoid failure on qemu guests declaring an Athlon CPU without 3dnow!

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  * [2013-07-22] Add in return value for ‘interface/trtri.c’

* Sébastien Fabbro <bicatali@gentoo.org>
  * [2013-07-24] Modify makefile to respect user’s LDFLAGS
  * [2013-07-24] Add stack markings for GNU as arch-independent for assembler files

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  * [2013-08-21] Patch LAPACK XLASD4.f as discussed in JuliaLang/julia#2340
* Lars Buitinck <https://github.com/larsmans>
  * [2013-08-28] get rid of the generated cblas_noconst.h file
  * [2013-08-28] Missing threshold in gemm.c
  * [2013-08-28] fix default prefix handling in makefiles

* yieldthought <https://github.com/yieldthought>
  * [2013-10-08] Remove -Wl,--retain-symbols-file from dynamic link line to fix tool support

* Keno Fischer <https://github.com/loladiro>
  * [2013-10-23] Use FC instead of CC to link the dynamic library on OS X

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    Use install command instead of cp to install files with permissions control.

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* Jerome Robert <jeromerobert@gmx.com>
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  * [2015-12-23] `stack_check` in `gemv.c` (bug #722)
  * [2015-12-28] Allow to force the number of parallel make job
  * [2015-12-28] Fix detection of AMD E2-3200 detection
  * [2015-12-31] Let `make MAX_STACK_ALLOC=0` do what expected
  * [2016-01-19] Disable multi-threading in `ger` and `swap` for small matrices (bug #731)
  * [2016-01-24] Use `GEMM_MULTITHREAD_THRESHOLD` as a number of ops (bug #742)
  * [2016-01-26] Let `openblas_get_num_threads` return the number of active threads (bug #760)
  * [2016-01-30] Speed-up small `zger`, `zgemv`, `ztrmv` using stack allocation (bug #727)

* Dan Kortschak
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  * [2016-05-03] DGEMM optimization for MIPS P5600 and I6400 using MSA

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  * [2016-05-20] STRSM optimization for MIPS P5600 and I6400 using MSA

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  * [2017-02-26] ztrmm kernel for IBM z13
  * [2017-03-13] strmm and ctrmm kernel for IBM z13
  * [2017-09-01] initial Blas Level-1,2 (double precision) for IBM z13
  * [2018-03-07] added missing Blas Level 1-2 (double precision) simd codes
  * [2019-02-01] added missing Blas Level 1-2 (single precision) simd codes
  * [2019-03-14] power9 dgemm/dtrmm kernel
  * [2019-04-29] power9 sgemm/strmm kernel

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1.1063 lucene-spatial-extras 7.5.0

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

.. parsed-literal::

   lib/gssapi/generic/gssapi_err_generic.et
   lib/gssapi/mechglue/g_accept_sec_context.c
   lib/gssapi/mechglue/g_acquire_cred.c
   lib/gssapi/mechglue/g_canon_name.c
   lib/gssapi/mechglue/g_compare_name.c
   lib/gssapi/mechglue/g_context_time.c
   lib/gssapi/mechglue/g_delete_sec_context.c
   lib/gssapi/mechglue/g_dsp_name.c
   lib/gssapi/mechglue/g_dsp_status.c
   lib/gssapi/mechglue/g_dup_name.c
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/prop.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/kproblog.c

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lib/krb5/kadm5/kadm_host_srv_names.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in:

```c
src/lib/gssapi
```

including the following files:

```c
lib/gssapi/generic/gssapi_err_generic.c
```

```c
lib/gssapi/mechglue/g_accept_sec_context.c
```

```c
lib/gssapi/mechglue/g_acquire_cred.c
```

```c
lib/gssapi/mechglue/g_canon_name.c
```

```c
lib/gssapi/mechglue/g_compare_name.c
```

```c
lib/gssapi/mechglue/g_context_time.c
```

```c
lib/gssapi/mechglue/g_delete_sec_context.c
```

```c
lib/gssapi/mechglue/g_dsp_name.c
```

```c
lib/gssapi/mechglue/g_dsp_status.c
```

```c
lib/gssapi/mechglue/g_dup_name.c
```

```c
lib/gssapi/mechglue/g_exp_sec_context.c
```

```c
lib/gssapi/mechglue/g_export_name.c
```

```c
lib/gssapi/mechglue/g_get_name.c
```

```c
lib/gssapi/mechglue/g_getcred.c
```

```c
lib/gssapi/mechglue/g_init.c
```

```c
lib/gssapi/mechglue/g_initsec.c
```

```c
lib/gssapi/mechglue/g_init_sec_context.c
```

```c
lib/gssapi/mechglue/g_initname.c
```

```c
lib/gssapi/mechglue/g_names.c
```

```c
lib/gssapi/mechglue/gqueryname.c
```
class="o"</span><span class="n">mechglue</span><span class="o">)</span><span class="n">g_glue</span><span class="o">.</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_imp_name</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_init_sec_context</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_inquire_cred</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_inquire_names</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_process_context</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_buffer</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_cred</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_name</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_oid_set</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_seal</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_sign</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_store_cred</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_initialize</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_init_sec_context</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_inquire_context</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_inquire_cred</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_inquire_names</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_process_context</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_buffer</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_cred</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_name</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_rel_oid_set</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_seal</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_sign</span><span class="o">)</span><span class="n">c</span></p>

- `lib`<span class="n">gssapi</span><span class="o">)</span><span class="n">mechglue</span><span class="o">.</span><span class="n">g_store_cred</span><span class="o">)</span><span class="n">c</span></p>
and the initial implementation of incremental propagation, including
the following new or changed files:

- `include`: Include files
- `iprop_hdr.h`: Header file for incremental propagation
- `ipropd_svc.c`: Main file for incremental propagation service
- `kdb5_err.et`: Error table for `kdb5`
- `kpropd_rpc.c`: Main file for `kpropd`
- `kproplglog.c`: Log file for `kpropd`
- `kprop.c`: Main file for `kprop`
- `kprop_log.c`: Log file for `kprop`
- `kprop_log.h`: Header file for `kprop_log`
- ` krb5_krb5_err.h`: Error table for `krb5`
- ` krb5_krb5_log.h`: Log file for `krb5`
- ` krb5_krb5_log.c`: Log file for `krb5`

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# checks for violations of the coding standards related to copyright
# and license statements in source code comments.

import os
import sys
import re

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

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

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        if code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/*-.' and we don't want to change them.
    if line != '' and line != '-':
        text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'^\* \* ([^ \*]+)\* \* ([^ \*]+)? \*\* /', lines[ln])
    if m:
if m.group(1) != fname:
    warn(fname, ln, 'Wrong filename in comment')
ln += 1

# Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'\*/.*?\*/', '', line)
        line = line.strip()
    if not in_comment and '/*' in line:
        (line, sep, comment_part) = line.partition('/*')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '*/' not in line:
        comment.append(line.lstrip('*').lstrip())
    elif in_comment:
        (comment_part, sep, line) = line.partition('*/')
        comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at,
                                code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
    elif line.strip() != '':
        code_seen = True
        ln += 1

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
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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
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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1.1070 spatial4j 0.7

1.1071 jersey-container-servlet 2.25.1

1.1072 libcap-ng 0.7.5 4.el7
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## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

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1.1078 jackson-dataformat-yaml 2.8.11
1.1078.1 Available under license:

# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers, as well as supported
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1.1079 commons-http-client 3.1
1.1080 ncurses 5.9 14.20130511.el7_4
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Calling this script install-sh is preferred over install.sh, to prevent `make` implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

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**1.1081 apex-common 3.4.0**

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1.1082 atk 2.28.1 1.el7

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1.1083 e2fsprogs 1.42.9 16.el7

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

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

It is part of the main e2fsprogs distribution, which can be found at:
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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

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

all:: image

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

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

image: $(BSD_LIB)

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

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALLPROGRAM) $(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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repository from the development branch, please contact me
(tytso@mit.edu) before you ship. The release schedules for this
package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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

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

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

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

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

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

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If such an object file uses only numerical parameters, data
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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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That's all there is to it!

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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Gadi Oxman, August 1995

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

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy <name of author>

Open Source Used In NAE (version 4.1) 4.1.1.49695
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<signature of Ty Coon>, 1 April 1989
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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
+++ tdbsa/tdb.c
Unix SMB/CIFS implementation.

- trivial database library - standalone version

- trivial database library - private includes

- Copyright (C) Andrew Tridgell 2005
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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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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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*/

1.1084 iproute 4.11.0 25.el7

1.1084.1 Available under license :

From 74331750f118690ca3c375e52b10272b992320e7 Mon Sep 17 00:00:00 2001
From: Andrea Claudi <aclaudi@redhat.com>
Date: Mon, 29 Apr 2019 20:09:13 +0200
Subject: [PATCH] ip{6, }tunnel: Avoid copying user-supplied interface name around

Bugzilla: https://bugzilla.redhat.com/show_bug.cgi?id=1465646
Upstream Status: iproute2.git commit 26111ab1dba82

commit 26111ab1dba820421ccaf283ac097a79b95023a2
Author: Phil Sutter <phil@nwl.cc>
Date: Mon Oct 2 13:46:35 2017 +0200

ip{6, }tunnel: Avoid copying user-supplied interface name around
In both files' parse_args() functions as well as in iptunnel's do_prl() and do_6rd() functions, a user-supplied 'dev' parameter is uselessly copied into a temporary buffer before passing it to ll_name_to_index() or copying into a struct ifreq. Avoid this by just caching the argv pointer value until the later lookup/strcpy.

Signed-off-by: Phil Sutter <phil@nwl.cc>

---

ip/ip6tunnel.c | 6 +++---
ip/iptunnel.c | 22 +++++++++-------------
2 files changed, 12 insertions(+), 16 deletions(-)

diff --git a/ip/ip6tunnel.c b/ip/ip6tunnel.c
index b4a7def144226..c12d700e74189 100644
--- a/ip/ip6tunnel.c
+++ b/ip/ip6tunnel.c
@@ -136,7 +136,7 @@ static void print_tunnel(struct ip6_tnl_parm2 *p)
static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
{
    int count = 0;
    -char medium[IFNAMSIZ] = {};
    +const char *medium = NULL;

    while (argc > 0) {
        if (strcmp(*argv, "mode") == 0) {
            @ @ -180,7 +180,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
            memcpy(&p->laddr, &laddr.data, sizeof(p->laddr));
        } else if (strcmp(*argv, "dev") == 0) {
            NEXT_ARG();
            -strncpy(medium, *argv, IFNAMSIZ - 1);
            +medium = *argv;
        } else if (strcmp(*argv, "encaplimit") == 0) {
            NEXT_ARG();
            if (strcmp(*argv, "none") == 0) {
                @@ -285,7 +285,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip6_tnl_parm2 *p)
                count++;
                argc--; argv++;
            } -if (medium[0]) {
            +if (medium) {
                p->link = ll_name_to_index(medium);
                if (p->link == 0) {
                    fprintf(stderr, "Cannot find device \"%s\"", medium);
                    diff --git a/ip/iptunnel.c b/ip/iptunnel.c
                    index 105d0f5576f1a..0acfd0793d3cd 100644
                    --- a/ip/iptunnel.c
                    +++ b/ip/iptunnel.c
static void set_tunnel_proto(struct ip_tunnel_parm *p, int proto)
static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
{
    int count = 0;
    char medium[IFNAMSIZ] = { };  
    +const char *medium = NULL;
    int isatap = 0;

    memset(p, 0, sizeof(*p));
    @ -60,7 +60,7 @ static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
    p->iph.saddr = htonl(INADDR_ANY);
    } else if (strcmp(*argv, "dev") == 0) {
        NEXT_ARG();
    -strncpy(medium, *argv, IFNAMSIZ - 1);
    +medium = *argv;
    } else if (strcmp(*argv, "ttl") == 0 ||
        strcmp(*argv, "hoplimit") == 0 ||
        strcmp(*argv, "hlim") == 0) {
        p = ll_name_to_index(medium);
        if (p == 0) {
            fprintf(stderr, "Cannot find device "%s"
", medium);
        } else if (strcmp(*argv, "dev") == 0) {
            p = ll_name_to_index(medium);
            if (p == 0) {
                fprintf(stderr, "Cannot find device \"%s\"n", medium);
            } else {
                fprintf(stderr, "Invalid PRL parameter \"%s\"n", *argv);
            }
        }
    }
}

if (argc > 0) {
    if (strcmp(*argv, "prl-default") == 0) {
        count++;
    } else if (strcmp(*argv, "dev") == 0) {
        NEXT_ARG();
        -strncpy(medium, *argv, IFNAMSIZ - 1);
        +medium = *argv;
    } else {
        fprintf(stderr, "Invalid PRL parameter \"%s\"n", *argv);
    }
} else if (argc > 0) {
    if (strcmp(*argv, "prl-default") == 0) {
        count++;
    } else if (strcmp(*argv, "dev") == 0) {
        NEXT_ARG();
        -strncpy(medium, *argv, IFNAMSIZ - 1);
        +medium = *argv;
    } else {
        fprintf(stderr, "Invalid PRL parameter \"%s\"n", *argv);
    }
}
static int do_prl(int argc, char **argv)
{
    argv--; argc--;
    if (devname == 0) {
        fprintf(stderr, "Must specify device\n");
        exit(-1);
    }
}

static int do_6rd(int argc, char **argv)
{
    struct ip_tunnel_6rd ip6rd = {};
    int devname = 0;
    int cmd = 0;
    char medium[IFNAMSIZ] = {};
    const char *medium = NULL;
    inet_prefix prefix;
    while (argc > 0) {
        if (strncpy(medium, *argv, IFNAMSIZ-1) == 0) {
            cmd = SIOCDEL6RD;
        } else if (strcmp(*argv, "dev") == 0) {
            devname++;
            strncpy(medium, *argv, IFNAMSIZ-1);
        } else {
            fprintf(stderr,
"Invalid 6RD parameter \"\%s\"\n", *argv);
        }
        argv++; argc--;
    }
    fprintf(stderr, "Must specify device\n");
    exit(-1);
}

---

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<signature of Ty Coon>, 1 April 1989
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1.1090 swagger-parser-core 2.0.14

1.1091 python-lxml 3.2.1 4.el7

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1.1092 error-prone-annotations 2.3.4

1.1093 perl-time-local 1.2300 2.el7
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1.1096 swagger-compat-spec-parser 1.0.46

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