Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.75

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1.1 ncurses 6.0_p20171125-r1

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

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

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1.2 hostname 3.18+b1

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/* lib/font/fontfile/gunzip.c
written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.
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Version 3, 29 June 2007

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1.7 sysstat 11.0.1-1

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Mersenne Twister
----------------
The :mod:`random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code::

    A C-program for MT19937, with initialization improved 2002/1/26.
    Coded by Takuji Nishimura and Makoto Matsumoto.

    Before using, initialize the state by using init_genrand(seed)
    or init_by_array(init_key, key_length).

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    Any feedback is very welcome.
    http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
    email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

    Sockets

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

XML Remote Procedure Calls
---------------------------

The `xmlrpc.client` module contains the following notice::

The XML-RPC client interface is

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test_epoll
---------

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Select kqueue
-----------

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SipHash24
---------

The file `file:` Python/pyhash.c` contains Marek Majkowski' implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note::

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

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

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

The file `file:` Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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libffi
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zlib
----

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jloup@gzip.org          madler@alumni.caltech.edu

cfuhash
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1.17 diffutils 3.5-3

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1.18 netty-reactive-streams 1.0.8

1.19 libcgi-pm-perl 4.09-1

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1.20 gettext 0.18.2.1-4.el7

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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1.25 gobject-introspection 1.56.1 1.el7

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

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
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"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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If distribution of object code is made by offering access to copy
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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
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1.48 open-vm-tools 10.0.5 4.el7_3

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>>> base64.c-none
>>> convertutf.c/.h from unicode, inc.-none
>>> freebsd-1.72
>>> icu4c-4.4.1
>>> unicode-5.0

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>>> base64.c-none

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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>>> convertutf.c/.h from unicode, inc.-none

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>>> icu4c-4.4.1

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# and license statements in source code comments.

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import sys
import re

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

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

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    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
    # Check a comment for boilerplate violations. Return true if the comment
    # is a license statement.
    code_seen = False
    nonlicense_seen = False
    for line in lines:
        if not code_seen and nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    text_seen = False
    is_license = False
    for line in lines:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    if line != '' and line != '-':
        text_seen = True
    return is_license

Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.75566
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'\W+.*?\W+', '', line)
        line = line.strip()
    if not in_comment and '/*' in line:
        (line, sep, comment_part) = line.partition('/*')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '*/' not in line:
        comment.append(line.lstrip('*').lstrip())
    elif in_comment:
        (comment_part, sep, line) = line.partition('*/')
        comment.append(comment_part.strip())
    is_license = check_comment(comment, fname, comment_starts_at, code_seen, nonlicense_seen)
    nonlicense_seen = nonlicense_seen or not is_license
    in_comment = False
    elif line.strip() != '':
        code_seen = True
        ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)
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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
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lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c
and the initial implementation of incremental propagation, including
the following new or changed files:

 include/iprop_hdr.h
 kadmin/server/ipropd_svc.c
 lib/kdb/iprop.x
 lib/kdb/kdb_convert.c
 lib/kdb/kdb_log.c
 lib/kdb/kdb_log.h
 lib/krb5/error_tables/kdb5_err.et
 kprop/kpropd_rpc.c
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- `spnego/P_spnego.c` in the `lib/kdb/spnego` directory
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   lib/gssapi/mechglue/g_accept_sec_context.c
   lib/gssapi/mechglue/g_acquire_cred.c
   lib/gssapi/mechglue/g_canon_name.c
   lib/gssapi/mechglue/g_compare_name.c
   lib/gssapi/mechglue/g_context_time.c
   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
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.. parsed-literal::

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

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"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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In addition, mere aggregation of another work not based on the Library
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

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

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

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this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

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

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

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

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

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

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

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

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Version 3, 29 June 2007

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Some devices are designed to deny users access to install or run
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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your
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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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* m4/ax_func_which_gethostbyname_r.m4

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/* Use the Sequent Symmetry assembler syntax. */

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

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

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

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

/* This was suggested, but it shouldn't be right for DBX output, -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */
/* Define the syntax of labels and symbol definitions/declarations. */

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

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

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

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

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT)  
   ( fputs (".lcomm ", (FILE)),
     assemble_name ((FILE), (NAME)),
     fprintf ((FILE), ",%u,%u\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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@c End:

@c man end
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#!/usr/bin/python
#
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# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++v3. This is because libstdc++v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.pl --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.pl --this-year libjava
#
# would run the script on just libjava/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess

class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ': ' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            '])
'COPYING',
'COPYING.LIB',
'COPYING3',
'COPYING3.LIB',
/LICENSE,
'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',
'ltSugar.m4',
'ltversion.m4',
'lt--obsolete.m4',
'missing',
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'y1wrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
]

def get_line_filter (self, dir, filename):
if filename.startswith ('ChangeLog'):
    # Ignore references to copyright in changelog entries.
    return re.compile ('	')
return None
def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True

    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True

    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True

    # Skip files produced by autogen
    if (os.path.exists (base + '.def')
        and os.path.exists (base + '.tpl')):
        return True

    # Skip configure files produced by autoconf
    if filename == 'configure':
        if os.path.exists (base + '.ac'):
            return True
        if os.path.exists (base + '.in'):
            return True

    return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True

    # Only touch current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True

    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9](?:[-0-9.,\s]+and\s+)*[0-9]'
# Non-whitespace characters in a copyright holder's name.
name = '[\w.-]'

# Matches one year.
self.year_re = re.compile ('[0-9]+')

# Matches part of a year or copyright holder.
self.continuation_re = re.compile (ranges + '|' + name)

# Matches a full copyright notice:
self.copyright_re = re.compile (  
  # 1: 'Copyright (C)', etc.
  '((Cc)opyright'  
  '[[Cc]opyrights+([Cc])]'  
  '[[Cc]opyrights+%s'  
  '[[Cc]opyrights+&copy;'  
  '[[Cc]opyrights+@copyright{ }]'  
  '@set{copyright[\w-]+}')
  # 2: the years.  Include the whitespace in the year, so that
  # we can remove any excess.
  '\s*(?:' + ranges + ',?  
  '@value\{|[^{}]*\})\s*')
  # 3: 'by ', if used
  '(by\s+)?'
  # 4: the copyright holder.  Don't allow multiple consecutive
  # spaces, so that right-margin gloss doesn't get caught
  # (e.g. gnat_ugn.texi).
  '(\+ name +(?:\s? + name +*:))?')

# A regexp for notices that might have slipped by.  Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile ('copyright.*[0-9][0-9]',
                                      re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c|dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

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

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

self.separator = ''

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

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

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

    def __str__(self):
        return 'unrecognised year: ' + self.year

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

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

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

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

def canonicalise_years(self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith('@value '):
        return years
(min_year, max_year) = self.year_range (years)

# Update the upper bound, if enabled.
if self.max_year and not filter.is_fossilised_file (dir, filename):
    max_year = max (max_year, self.max_year)

# Use a range.
if min_year == max_year:
    return '%d' % min_year
else:
    return '%d-%d' % (min_year, max_year)

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

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

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

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

        # If the next line doesn't look like a proper continuation,
# assume that what we've got is complete.
continuation = self.strip_continuation(next_line)
if not self.continuation_re.match(continuation):
    break

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

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

holder = match.group(4)

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

elif not holder:
    self.errors.report(pathname, 'missing copyright holder')
    return (False, orig_line, next_line)

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

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

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

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

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

line = (line[:match.start (2)]
    + ' ' + canon_form + self.separator
    + line[match.end (2):])

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

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

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
    pathname = os.path.join (dir, filename)
    if filename.endswith ('.tmp'):
        # Looks like something we tried to create before.
        try:
            os.remove (pathname)
        except OSError:
            pass
        return
    lines = []
    changed = False
    line_filter = filter.get_line_filter (dir, filename)
    with open (pathname, 'r') as file:
        prev = None
        for line in file:
            while line:
                next_line = None
                # Leave filtered-out lines alone.
                if not (line_filter and line_filter.match (line)):
                    match = self.copyright_re.search (line)
                    if match:
                        res = self.update_copyright (dir, filename, filter,
                                                     file, line, match)
                        (this_changed, line, next_line) = res
                        changed = changed or this_changed

                # Check for copyright lines that might have slipped by.

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

                line = line.rstrip() + '\n'

                return (line != orig_line, line, next_line)
elif self.other_copyright_re.search(line):
    self.errors.report(pathname,
        'unrecognised copyright: %s'
        % line.strip())
    lines.append(line)
    line = next_line

    # If something changed, write the new file out.
if changed and self.errors.ok():
    tmp_pathname = pathname + '.tmp'
    with open(tmp_pathname, 'w') as file:
        for line in lines:
            file.write(line)
    if self.use_quilt:
        subprocess.call(['quilt', 'add', pathname])
    os.rename(tmp_pathname, pathname)

def process_tree(self, tree, filter):
    for (dir, subdirs, filenames) in os.walk(tree):
        # Don't recurse through directories that should be skipped.
        for i in xrange(len(subdirs) - 1, -1, -1):
            if filter.skip_dir(dir, subdirs[i]):
                del subdirs[i]

        # Handle the files in this directory.
        for filename in filenames:
            if filter.skip_file(dir, filename):
                sys.stdout.write('Skipping %s
' % 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 before changing files',
            self.o_quilt)
        self.add_option('--this-year', 'Add the current year to every notice',
            self.o_this_year)
def add_option (self, name, help, handler):
    self.option_help.append ((name, help))
    self.option_handlers[name] = handler

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

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

    ' % sys.argv[0])
    format = '%-15s %s
    for (what, help) in self.option_help:
        sys.stdout.write (format % (what, help))
    sys.stdout.write ('
Directories:
    format = '%-25s
    i = 0
    for (dir, filter) in self.dirs:
        i += 1
        if i % 3 == 0 or i == len (self.dirs):
            sys.stdout.write (dir + '
')
        else:
            sys.stdout.write (format % dir)
    sys.exit (0)

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

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

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

for (dir, filter) in 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',
        ])

Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.75835
class TestsuiteFilter (GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)

        self.skip_extensions |= set([
            # Don't change the tests, which could be owned by anyone.
            '.c',
            '.C',
            '.cc',
            '.h',
            '.hs',
            '.f',
            '.f90',
            '.go',
            '.inc',
            '.java',
        ])

    def skip_file(self, dir, filename):
        # g++.niklas/README contains historical copyright information
        # and isn't updated.
        if filename == 'README' and os.path.basename(dir) == 'g++.niklas':
            return True
        return GenericFilter.skip_file(self, dir, filename)

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

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

        self.fossilised_files |= set([
            # Old news won't be updated.
            'ONEWS',
        ])

class LibGCCFilter (GenericFilter):
def __init__(self):
    GenericFilter.__init__(self)
    self.skip_dirs |= set(['
        # Imported from GLIBC.
        'soft-fp',
        ])

class LibJavaFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_dirs |= set(['
            # Handled separately.
            'testsuite',
        # Not really part of the library
            'contrib',
        # Imported from upstream
            'classpath',
            'libltdl',
            ])

    def get_line_filter(self, dir, filename):
        if filename == 'NameDecoder.h':
            return re.compile('.*NAME_COPYRIGHT')
        if filename == 'ICC_Profile.h':
            return re.compile('.*icSigCopyrightTag')
        return GenericFilter.get_line_filter(self, dir, filename)

class LibMudflapFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_dirs |= set(['
            # Handled separately.
            'testsuite',
            ])

class LibStdCxxFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_files |= set(['
            # Contains no copyright of its own, but quotes the GPL.
            'intro.xml',
            ])
self.skip_dirs |= set([
    # Contains automatically-generated sources.
    'html',
    # The testsuite data files shouldn't be changed.
    'data',
    # Contains imported images
    'images',
])

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

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

class GCCCopyright(Copyright):
    def __init__(self, errors):
        Copyright.__init__(self, errors)
        canon_fsf = 'Free Software Foundation, Inc.'
        self.add_package_author('Free Software Foundation', canon_fsf)
        self.add_package_author('Free Software Foundation.', canon_fsf)
        self.add_package_author('Free Software Foundation Inc.', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc', canon_fsf)
        self.add_package_author('Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('The Free Software Foundation', canon_fsf)
        self.add_package_author('The Free Software Foundation, Inc.', canon_fsf)
        self.add_package_author('Software Foundation, Inc.', canon_fsf)
        self.add_package_author('ARM')
        self.add_package_author('AdaCore')
        self.add_package_author('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_package_author('Cavium Networks.')
        self.add_package_author('Faraday Technology Corp.')
        self.add_package_author('Florida State University')
        self.add_package_author('Greg Colvin and Beman Dawes.')
        self.add_package_author('Hewlett-Packard Company')
        self.add_package_author('Information Technology Industry Council.')
        self.add_package_author('James Theiler, Brian Gough')
        self.add_package_author('Makoto Matsumoto and Takuji Nishimura,')
        self.add_package_author('National Research Council of Canada.')
def __init__(self):
    CmdLine.__init__(self, GCCCopyright)

    self.add_dir ('.', TopLevelFilter())
    # boehm-gc is imported from upstream.
    self.add_dir ('config', ConfigFilter())
    # contrib isn't really part of GCC.
    self.add_dir ('fixincludes')
    self.add_dir ('gcc', GCCFilter())
    self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
    self.add_dir ('gnattools')
    self.add_dir ('include')
    self.add_dir ('libada')
    self.add_dir ('libatomic')
    self.add_dir ('libbacktrace')
    self.add_dir ('libcpp', LibCppFilter())
    self.add_dir ('libdecnumber')
    # libffi is imported from upstream.
    self.add_dir ('libgcc', LibGCCFilter())
    self.add_dir ('libgfortran')
    self.add_dir ('libgomp')
    self.add_dir ('libiberty')
    self.add_dir ('libitm')
    self.add_dir ('libjava', LibJavaFilter())
    self.add_dir (os.path.join ('libjava', 'testsuite'), TestsuiteFilter())
    self.add_dir ('libmudflap', LibMudflapFilter())
    self.add_dir (os.path.join ('libmudflap', 'testsuite'),
                   TestsuiteFilter())
    self.add_dir ('libobjc')
    self.add_dir ('libquadmath')
    # libsanitiser is imported from upstream.
    self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('lto-plugin')

# zlib is imported from upstream.

self.default_dirs = ['gcc',
'libada',
'libatomic',
'libbacktrace',
'libcpp',
'libdecmumber',
'libgcc',
'libgfortran',
'libgmp',
'libitm',
'libmudflap',
'libobjc',
'libstdc++-v3',
]

GCCCmdLine().main()

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exception statement from your version. */

package java.security.acl;

/**
 * This interface provides information about a permission that can be
 * granted.  Note that this is <em>not</em> the same as the class
 * <code>java.security.Permission</code>.
 * @version 0.0
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */
public interface Permission
{
/**
 * This method tests whether or not a specified <code>Permission</code>
 * (passed as an <code>Object</code>) is the same as this permission.
 * @param perm The permission to check for equality
 * @return <code>true</code> if the specified permission is the same as this one, <code>false</code> otherwise
 */
 boolean equals (Object perm);
/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 * @return A <code>String</code> representing this permission.
 */
 String toString();
}

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 *<p>
 *<code>The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 */
public abstract class Permission implements Guard, Serializable {

\*/
private static final long serialVersionUID = -5636570222231596674L;

\*/
* This is the name assigned to this permission object.
*
* @serial the name of the permission
*
private String name;

\*/
* Create an instance with the specified name.
*
* @param name the permission name
*
public Permission(String name) {
   this.name = name;
}

\*/
* This method implements the <code>Guard</code> interface for this class.
* It calls the <code>checkPermission</code> method in
* <code>SecurityManager</code> with this <code>Permission</code> as its
* argument. This method returns silently if the security check succeeds
* or throws an exception if it fails.
*
* @param obj the <code>Object</code> being guarded - ignored by this class
* @throws SecurityException if the security check fails
* @see GuardedObject
* @see SecurityManager#checkPermission(Permission)
*
public void checkGuard(Object obj) {

SecurityManager sm = System.getSecurityManager();
if (sm != null)
    sm.checkPermission(this);
}
/**
 * This method tests whether this <code>Permission</code> implies that the
 * specified <code>Permission</code> is also granted.
 * @param perm the <code>Permission</code> to test against
 * @return true if perm is implied by this
 */
public abstract boolean implies(Permission perm);
/**
 * Check to see if this object equals obj. Use <code>implies</code>, rather
 * than <code>equals</code>, when making access control decisions.
 * @param obj the object to compare to
 */
public abstract boolean equals(Object obj);
/**
 * This method returns a hash code for this <code>Permission</code>. It
 * must satisfy the contract of <code>Object.hashCode</code>: it must be
 * the same for all objects that equals considers to be the same.
 * @return a hash value
 */
public abstract int hashCode();
/**
 * Get the name of this <code>Permission</code>.
 * @return the name
 */
public final String getName()
{
    return name;
}
/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 *
* @return the action list for this `<code>Permission</code>`
*/

```java
public abstract String getActions();
```

/**
 * This method returns an empty `<code>PermissionCollection</code>` object
 * that can store permissions of this type, or `<code>null</code>` if no
 * such collection is defined. Subclasses must override this to provide
 * an appropriate collection when one is needed to accurately calculate
 * `<code>implies</code>`.
 *
 * @return a new `<code>PermissionCollection</code>`
 */

```java
public PermissionCollection newPermissionCollection()
{
    return null;
}
```

/**
 * This method returns a `<code>String</code>` representation of this
 * `<code>Permission</code>` object. This is in the format:
 * `<code>\'( + getClass().getName() + \' + getName() + \' + getActions
 * + \')\'</code>.
 *
 * @return this object as a `<code>String</code>`
 */

```java
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

    string = string.append('(');
    string = string.append(getClass().getName());
    string = string.append(' ');
    string = string.append(getName());
    if (!(getActions().equals("")))
    {
        string = string.append(' ');
        string = string.append(getActions());
    }
    string = string.append(')');
    return string.toString();
}
```

} // class Permission

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Version 3, 29 June 2007
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Library.
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 (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.)

<?dbhtml filename="appendix_gpl.html"?>

<para>
Version 3, 29 June 2007
</para>

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<bridgehead xml:id="gpl-3-preamble" renderas="sect1">
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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoctaglets.Tag;

/**
 * A simple Taglet which handles Copyright information.
/**
   public class CopyrightTaglet implements Taglet {

   private static final String NAME = "copyright";
   private static final String HEADER = "Copyright:";

   public String getName() {
       return NAME;
   }

   public boolean inField() {
       return true;
   }

   public boolean inConstructor() {
       return true;
   }

   public boolean inMethod() {
       return true;
   }

   public boolean inOverview() {
       return true;
   }

   public boolean inPackage() {
       return true;
   }

   public boolean inType() {
       return true;
   }

   public boolean isInlineTag() {
       return false;
   }

   public static void register(Map tagletMap) {
       CopyrightTaglet copyrightTaglet = new CopyrightTaglet();
       tagletMap.put(copyrightTaglet.getName(), copyrightTaglet);
   }

   public String toString(Tag tag) {
       return toString(new Tag[] { tag });
   }

   public String toString(Tag[] tags) {
   
*/
if (tags.length == 0) {
    return null;
}
else {
    boolean haveValidTag = false;
    for (int i = 0; i < tags.length && !haveValidTag; ++i) {
        if (tags[i].text().length() > 0) {
            haveValidTag = true;
        }
    }

    if (haveValidTag) {
        StringBuffer result = new StringBuffer();
        result.append("<dl>");
        for (int i = 0; i < tags.length; i++) {
            if (tags[i].text().length() > 0) {
                result.append("<dt><i>Copyright © " + tags[i].text() + "</i></dt>");
            }
        }
        result.append("</dl>");
        return result.toString();
}
else {
    return null;
}
}

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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
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You should also get your employer (if you work as a programmer) or school,
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The GNU General Public License does not permit incorporating your program
into proprietary programs. If your program is a subroutine library, you
may consider it more useful to permit linking proprietary applications with
the library. If this is what you want to do, use the GNU Lesser General
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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, 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 or use pieces of it in new free programs; and that you know you can do these things.

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

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

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

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

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

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

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

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

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

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

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

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

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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

   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

It may happen that this requirement contradicts the license
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the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

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      facilities. This must be distributed under the terms of the
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   b) Give prominent notice with the combined library of the fact
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

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

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

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When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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

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

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

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

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

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

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

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

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

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

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

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

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

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

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

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

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

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

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

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

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

c) Accompany the work with a written offer, valid for at
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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
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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
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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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"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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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under
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<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990
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That's all there is to it!

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1.90.1 Available under license:

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1.91 e2fsprogs 1.42.12-2+b1

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*/

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

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

From the original distribution:

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

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

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

image::$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
clean:
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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Theodore Ts'o
23-June-2007

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Version 2, June 1991

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

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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

- trivial database library - private includes
- 
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This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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

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

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

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

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

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

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

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

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

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

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

That's all there is to it!

1.94 mesa 18.3.4 5.el7
1.94.1 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
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:
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---

```
bsd_license_template = "%s
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```

---
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SOFTWARE.""
Mesa is a 3-D graphics library with an API which is very similar to that of <a href="https://www.opengl.org/">OpenGL</a>.* To the extent that Mesa utilizes the OpenGL command syntax or state machine, it is being used with authorization from <a href="https://www.sgi.com/">Silicon Graphics, Inc.</a> (SGI). However, the author does not possess an OpenGL license from SGI, and makes no claim that Mesa is in any way a compatible replacement for OpenGL or associated with SGI. Those who want a licensed implementation of OpenGL should contact a licensed vendor.

Please do not refer to the library as <em>MesaGL</em> (for legal reasons). It's just <em>Mesa</em> or <em>The Mesa 3-D graphics library</em>.
The Mesa distribution consists of several components. Different copyrights and licenses apply to different components.
For example, the GLX client code uses the SGI Free Software License B, and some of the Mesa device drivers are copyrighted by their authors.
See below for a list of Mesa’s main components and the license for each.

The core Mesa library is licensed according to the terms of the MIT license.
This allows integration with the XFree86, Xorg and DRI projects.

The default Mesa license is as follows:

<pre>
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<h1>Attention, Contributors</h1>

When contributing to the Mesa project you must agree to the licensing terms
of the component to which you're contributing.
The following section lists the primary components of the Mesa distribution
and their respective licenses.

<h1>Mesa Component Licenses</h1>
<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/glex.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>include/GL/glxext.h</td>
<td></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>
<tr>
<td></td>
<td>emulation</td>
<td></td>
</tr>
</tbody>
</table>

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1.95 python-ipaddress 1.0.16-2.el7

1.95.1 Available under license :

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1.96 audit 2.7.6 3.el7

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   b) Accompany it with a written offer, valid for at least three
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   c) Accompany it with the information you received as to the offer
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      an offer, in accord with Subsection b above.)
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1.99 ruby 2.4.6-r0

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= Contributors to Ruby

The following list might be incomplete. Feel free to add your name if your patch was accepted into Ruby.

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* He had maintained the VMS support on 2003-2004.

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* wrote rdoc for Fiber

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* He is the maintainer of:
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  * net/http, net/https
  * net/pop
  * net/smtp
  * rac
  * ripper
  * strscan

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* He was the maintainer of some standard libraries.

Koji Arai
* committer

arton
* He is the distributor of ActiveScriptRuby and experimental 1.9.0-x installers for win32.
* Wrote patches for win32ole, gc.c, tmpdir.rb

Sergey Avseyev
* Added IO#pread and IO#pwrite.

== B

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* a patch for irb
* documentation
* He wrote forwardable.rb

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* a patch for REXML.

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* a patch for soap

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Evan Brodie
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* a patch for date.rb

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* documentation
* a patch for irb

== C

Brian Candler
* a patch for configure.in, net/telnet

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* a patch for optparse.rb

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* a patch for test/ruby/test_symbol.rb

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* patches for set.rb

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* patches for net/http, cgi

William D. Clinger
* ruby_strtod is based on his paper.

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* committer

Zach Dennis

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* committer
* M17N

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* patches for rdoc

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* a patch for lib/benchmark.rb
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* committer
* He wrote and is the maintainer of base64 library (1.9)
* did much upon YARV compiler.

erlercw
* wrote Integer::gcd2

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* a patch for net/pop

Fundakowski Feldman
* a patch for process.c

Mauricio Fernandez
* patches for parse.y

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* M17N

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* He is the maintainer of cgi/*

FUKUMOTO, Atsushi
* a patch for tracer.rb

Shota Fukumori (sorah)
* committer
* #4415 parallel unit/test

Tadayoshi Funaba (tafd)
* committer
* He wrote and is the maintainer of
date
* parsedate (1.8)
* He ported rational.rb and complex.rb, which 1.8 contains, into rational.c and complex.c of 1.9.

David M. Gay
* ruby_strtod
Florian Gilcher
* documentation

GOTOU, Kentaro (gotoken)
* committer
* He wrote benchmark.rb
* He is the maintainer of:
  * benchmark.rb
  * open3

GOTOU, Yuuzou (gotoyuzo)
* committer

James Edward Gray II (jeg2)
* committer
* He wrote the faster implementation of CSV and is the maintainer of csv.
* Wrote documentation for rdoc

== H

Phil Hagelberg
* patch for ruby-mode.el's documentation.

Kirk Haines (wyhaines)
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* the maintainer of ruby_1_8_6 branch

Shinichiro Hamaji
* fixed memory leaks (marshal.c, string.c)

Shin-ichiro HARA
* the developer and the sysop of ruby-{dev,list,core,talk} archive.
* a patch for numeric.c

Chris Heath (traumdeutung)
* a patch for proc.c

HIROKAWA Hisashi
* fixed socket/socket.c

Daniel Hob
* He wrote:
  * SMTP-TLS support for net/smtp.
  * POP3S support

Eric Hodel (drbrain)
* committer
* He is the maintainer of:
* rdoc
* ri
* rubygems

Erik Hollensbe
* a patch for delegate.rb

Johan Holmberg
* a patch for dir.c
* documentation

Erik Huelsmann

Dae San Hwang
* built a continuous integration environment on OpenSolaris.

== I

Nobuhiro IMAI
* a patch for logger.rb

"incorporate"
* a patch for sprintf.c

Keiju Ishitsuka (keiju)
* committer
* He wrote and is the maintainer of:
* cmath.rb (1.9)
* complex.rb (1.8)
* e2mmap.rb
* forwardable.rb
* irb
* mathn
* matrix.rb
* mutex_m.rb
* rational.rb (1.8)
* sync.rb
* shell/*
* thwait.rb
* tracer.rb

== J

Curtis Jackson
* missing/dup2.c

Alan Johnson
* a patch for net/ftp

Lyle Johnson
* patches for nkf, bigdecimal, numeric.c

== K

Yoshihiro Kambayashi
* a patch for enc/trans/single_byte.trans.
* He wrote supports for some encodings.

Yutaka Kanemoto
* patches for common.mk, AIX AF_INET6 support

Motoyuki Kasahara
* He wrote getoptlong.rb

Masahiro Kawato
* a patch for shellwords.rb

Wataru Kimura
* a patch for configure.in

Michael Klishin
* patch for make help.

Noritada Kobayashi
* a patch for optparse.rb

Shigeo Kobayashi (shigek)
* committer
* He is the maintainer of bigdecimal

KONISHI, Hiromasa (H_Konishi)
* committer
* He had maintained the bcc32 support in 2004.

Kornelius "murphy" Kalnbach
* documentation

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* committer
* He wrote Oniguruma.

Takehiro Kubo
* patches for dl 64bit support.

== L
Marc-Andre Lafortune (marcandre)
* committer
* patches for hash.c, array.c, thread.c, enumc, string.c, range.c and rdoc documentation.

Hongli Lai
* improved pstore.rb
* patch for tool/file2lastrev.rb.

raspberry lemon
* a patch for webrick/httpproxy.rb.

Christian Loew
* a patch for fileutils.rb

== M

Shugo Maeda (shugo)
* committer
* A system administrator of ruby-lang.org servers.
* He wrote and is the maintainer of:
  * monitor.rb
  * net/ftp
  * net/imap

Stephan Maka (mathew)
* documentation

Yukihiro Matsumoto (matz)
* Matz -- the founder, language designer of Ruby.
* committer
* Ruby itself, most of Ruby.
* He is the maintainer of:
  * singleton
  * timeout
  * gdbm
  * sdbm

Konrad Meyer
* documentation

Mib Software
* missing/vsnprintf.c

Todd C. Miller
* missing/strlcat.c
* missing/strlcpy.c
MIYASAKA, Masaru
* a patch for cgi.rb

Stefan Monnier
* regex.c was fixed with based on his Emacs21 patch.

Marcel Moolenaar
* patches for eval.c and gc.c.

moonwolf
* a patch for REXML, xmlrpc

Hiroshi Moriyama
* a patch for yaml.

Kyosuke Morohashi
* a patch for gem_prelude.rb

Kenta Murata
* patches for json, bignum.c

Akinori MUSHA (knu)
* committer
* He wrote and is the maintainer of:
  * abbrev.rb
  * generator (1.8)
  * enumerator (1.8)
  * set
  * ipaddr.rb
  * digest/*
  * syslog
* He is the branch maintainer of ruby_1_8, the release manager of 1.8 series.

== N

Hidetoshi NAGAI (nagai)
* committer
* He is the maintainer of tk/*

Nobuyoshi Nakada (nobu)
* committer
* a.k.a. the “patch monster”
* He wrote and is the maintainer of:
  * optparse
  * stringio
  * io/wait
  * iconv
Satoshi Nakagawa
* patches for util.c

Narihiro Nakamura (nari)
* committer
* a.k.a. authorNari
* working at GC

NAKAMURA, Hiroshi (nahi)
* committer
* He is the maintainer of:
  * csv.rb (1.8)
  * logger.rb
  * soap/* (1.8)
  * wsdl/* (1.8)
  * xsd/* (1.8)

NAKAMURA, Usaku (usa)
* committer
* a.k.a. unak
* He is the maintainer of mswin32 and mswin64 support.

NARUSE, Yui (naruse)
* committer
* a.k.a. "nurse"
* Did much upon m17n.
* He is the maintainer of:
  * json
  * nkf

Christian Neukirchen
* a patch for webrick/httputils

Michael Neumann (mneumann)
* committer
* He is the maintainer of
  * xmlrpc (1.8)
  * gserver (1.8)

NISHIO Hirokazu
* wrote a patch for CVE-2010-0541

Kazuhiko NISHIYAMA (kazu)
* committer
* a.k.a. znz

Go Noguchi
Martin Nordholts
* misc/rdebug.el

nmu
* a patch for socket

== O

okkez
* He is a sysop of the Ruby Reference Manual Renewal Project.
* fixed ipaddr.rb, ext/etc

Haruhiko Okumura
* some of missing/* is based on his book:
  * missing/erf.c
  * missing/lgamma_r.c
  * missing/lgamma.c

OMAE, jun
* a patch for debug.rb

Eugene Ossintsev
* documentation

== P

Heesob Park
* a patch for win32/win32.c.

pegacorn
* a patch for instruby.rb

== Q

== R

Gaston Ramos
* documentation

The Regents of the University of California
* missing/crypt.c
* missing/vsnprintf.c

Sam Roberts
* patch for socket
* documentation

Michal Rokos (michal)
* committer
* He was the maintainer of DJGPP support.

rubikitch
* a patch for io.c

Marcus Rueckert
* a patch for mkconfig.rb.

Run Paint Run Run
* patch for enc/unicode.c
* documentation

Sean Russell (ser)
* committer
* He wrote and is the maintainer of REXML.

== S

Kazuo Saito (ksaito)
* committer
* M17N

Tadashi Saito
* patches for test/ruby/test_math.rb, thread_*.c, bignum.c
* working upon BigDecimal.
* did much upon documentation

Masahiro Sakai
* a patch for io.c

Laurent Sansonetti
* a patch for tool/ytab.sed

Jeff Saracco
* documentation

Koichi Sasada (ko1)
* committer
* He wrote YARV.

Hugh Sasse
* a patch for net/http
* documentation

Charlie Savage
* a patch for win32/Makefile.sub
Michael Scholz
* a patch for ruby-mode.el

Arthur Schreiber
* patch for net/http and rdoc.

Masatoshi SEKI (seki)
* committer
* He wrote and is the maintainer of:
  * drb/
  * erb
  * rinda

Roman Shterenzon
* a patch for open-uri.

Kent Sibilev

Gavin Sinclair (gsinclair)
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John W. Small
* He wrote gserver.rb

Yuki Sonoda (yugui)
* committer
* She is the maintainer of man/* manual pages and is the release manager of 1.9 series.
* She wrote prime.rb.
* A developer and a sysop of redmine.ruby-lang.org.

SOUMA, Yutaka
* a patch for pack.c.

Tatsuki Sugiura
* WebDAV support for net/http

Masaki Suketa (suke)
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* He is the maintainer of win32ole

sheepman
* patches for ruby.c, thread.c, stringio, enum.c, webrick, net/http

Siena. (siena)
* committer

Kirill A. Shutemov
* a patch for parse.y
Darren Smith
* a patch for golf_prelude.rb

Richard M. Stallman
* missing/alloca.c

Robin Stocker
* documentation

Joshua Stowers
* a patch for array.c

Marcus Stollsteimer (stomar)
* committer
* a maintainer of www.ruby-lang.org
* patches for cgi (HTML5 tag maker), numeric.c, bigdecimal, ostruct.rb, prime.rb, and others
* documentation

Adam Strzelecki
* a patch for compile.c

Masashi Sumi
* improved net/pop.rb

Eric Sunshine
* NeXT OpenStep, Rhapsody support

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David Symonds
* documentation

== T

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* He is the maintainer of IA-64 support.
* BigDecimal

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* He is the maintainer of readline.

Nathaniel Talbott (ntalbott)
* committer
* He was the maintainer of test/unit, runit, rubyunit.

TANAKA, Akira (akr)
* committer
* Did much upon m17n.
* And he is the maintainer of:
  * open-uri
  * pathname
  * pp
  * resolv-replace
  * resolv
  * time
  * tsort

Takaaki Tateishi (ttate)
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* He was the maintainer of dl

Technorama Ltd. (technoroma)
* committer
* openssl

Andrew Thompson
* a patch for socket.c IRIX support.

Dave Thomas (dave)
* committer
* a.k.a. the Pragmatic Programmer.
* He wrote rdoc.

Tietew
* patches for win32 support

Masahiro Tomita
* a patch for cgi.rb

Jakub Travnik
* a patch for eval.c

Tom Truscott
* missing/crypt.c

== U

UEDA, Satoshi
* a patch for uri

Takaaki Uematsu (uema2)
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* He was the maintainer of WinCE support.

UNO, Katsuhiro (katsu)
* committer
* He is the maintainer of zlib

Hajimu UMEMOTO
* He wrote ipaddr.rb

URABE, Shyouhei (shyouhei)
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* a.k.a. mput.
* He is the branch maintainer of ruby_1_8_6 and ruby_1_8_7
* and is the release manager of 1.8.x-pXXX.

== V

Joel VanderWerf
* a patch for numeric.c

Peter Vanbroekhoven

Corinna Vinschen

== W

wanabe (wanabe)
* committer
* fixed YARV and Oniguruma.

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* a patch for time.rb

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* committer
* He is the maintainer of
* fools (1.8)
* tmpdir
* un
* Win32API

WATANABE, Tetsuya
* a patch for ruby.c

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* committer
Jim Weirich (jim)
* committer
  * He wrote Rake.

Nathan Weizenbaum
* fixed misc/ruby-mode.el.

why the lukky stiff (why)
* committer
  * He is the maintainer of syck

Caley Woods
* documentation

Gary Wright
* documentation

== X

== Y

Akira Yamada (akira)
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  * He is the maintainer of ruby related packages at Debian project.

Keita Yamaguchi
* patches for enum.c, parse.y
  * documentation

Hirokazu Yamamoto (ocean)
* committer

Hirotaka Yoshioka
* a patch for improving SEGV handling

== Z

Aristarkh A Zagorodnikov
* a patch for io.c

Alexander Zavorine
* committer
  * He is the maintainer for Symbian OS.

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* a patch for misc/ruby-mode.el.

Dee Zsombor (zunda)
* a patch for thread_pthread.c

Dan Zwell

* a patch for net/pop

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>>> 
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Coded by Takuji Nishimura and Makoto Matsumoto. 
This is a faster version by taking Shawn Cokus's optimization, 
Matthe Bellew's simplification, Isaku Wada's real version. 

Before using, initialize the state by using init_genrand(seed) 
or init_by_array(init_key, key_length).

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missing/finite.c::
missing/hypot.c::
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1.104 pam 1.1.8 18.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.

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 Dossor (dossier@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 Dossor 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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Jan 21, 2002

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  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
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  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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@end example
The hypothetical commands `@samp{show w}` and `@samp{show c}` should show
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1.118 cups 1.6.3 40.el7

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Version 2, June 1991

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<P>

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Version 2, June 1991

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Ty Coon, President of Vice

That's all there is to it!

1.121 python 2.7.17
1.121.1 Available under license :

A. HISTORY OF THE SOFTWARE

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

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

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

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

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

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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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose
text is available at
   http://www.ietf.org/rfc/rfc1321.txt
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The original and principal author of md5.h is L. Peter Deutsch
<ghost@aladdin.com>. Other authors are noted in the change history
that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed
 references to Ghostscript; clarified derivation from RFC 1321;
 now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);
 added conditionalization for C++ compilation from Martin
 Puschke <puschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
---------------------------------

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

XML Remote Procedure Calls

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

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

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

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1.122 tre 1.1.18 r3

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1.123 liblocale-gettext-perl 1.05-8+b1

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1.125 zlib 3.10.0-1062.12.1.el7

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1.126 iconv 2.24-11+deb9u3

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1.130 device-mapper-multipath 0.4.9-127.el7

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1.131 bzip2 1.0.6-13.el7atomix1
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1.133 glew 1.0.1-0.8.git5baa1e5.el7

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

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1.137 fdisk 2.23.2-61.el7_7.1
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Initialize empty image
f1c9645db414efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18e2cf9 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><strong>ts_dev</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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>
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<th>Blocks</th>
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<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
<td></td>
</tr>
</tbody>
</table>

Create 2st primary partition
1beb87248e05d6e4e626749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe 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

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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></td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

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  [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):

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

b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

Command (m for help):

BSD disklabel command (m for help):
4 partitions:

<table>
<thead>
<tr>
<th>#</th>
<th>start</th>
<th>end</th>
<th>size</th>
<th>fsype</th>
<th>[fsize bsize cpg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>4096</td>
<td>6144</td>
<td>2049</td>
<td>4.2BSD</td>
<td>0 0 0</td>
</tr>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>unused</td>
<td>0 0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>unused</td>
<td>0 0</td>
</tr>
</tbody>
</table>

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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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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The End
---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the Module-Build mailing list at <module-build@perl.org>.
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
license: http://dev.perl.org/licenses/
repository: http://github.com/dagolden/module-build/
version: 3
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

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You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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1.156 alpine-baselayout 3.0.4-r0

1.157 util-linux 2.23.2 61.el7_7.1

1.157.1 Available under license :

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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 * SUCH DAMAGE.
 */

Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c26d055067c18f2cf9 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
ada64ace122978d00d1d0e5e45d26 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__1 2048 4095 1024 83 Linux

Create 2nd primary partition
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dfe51a88a045db23418dd73fbc 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
__ts_dev__2 4096 20479 8192 a5 FreeBSD

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
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):
-------------------
b5c121c2091b2ff26b880551feac7112 bsd.img

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

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

Command (m for help):

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

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

Command (m for help):

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

BSD disklabel command (m for help):
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Data model artifacts for Prometheus.
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package licensing

import (  "context"  "crypto/hmac"  "crypto/sha256"  "encoding/base64"  "encoding/json"
func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {
    url := c.baseURI
    url.Path += fmt.Sprintf("/api/billing/v4/subscriptions/%s/license-file", subID)

    license := new(model.IssuedLicense)
    if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {
        return nil, err
    }

    return license, nil
}

// Check verifies that the license identified by the given key id is valid. Note that it does not // interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    authorization, err := c.getAuthorization(ctx, license)
    if err != nil {
        return nil, err
    }

    // TODO: Mason - replace this parseJWS with a non libtrust lib
    signature, err := libtrust.ParseJWS(authorization)
    if err != nil {
        return nil, errors.Wrap(err, errors.Fields{
            "key_id": keyID,
        }, "license parse JWS failed")
    }

    keys, err := signature.Verify()
    if err != nil {
        return nil, errors.Wrap(err, errors.Fields{
            "key_id": keyID,
        }, "license signature verification failed")
    }

    keyCnt := len(keys)
if keyCnt != 1 {
    err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
    return nil, errors.WithStack(err).With(errors.Fields{
        "key_id": keyID,
    })
}

key := keys[0]

if !c.recognizedSigningKey(key) {
    return nil, errors.New("unrecognized signing key")
}

payload, err := signature.Payload()
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "malformed signature payload")
}

checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    }, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
    return nil, errors.Wrap(err, errors.Fields{
        "key_id": keyID,
    })
}

return checkRes, nil

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise

func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
    for _, publicKey := range c.publicKeys {
        if key.KeyID() == publicKey.KeyID() {
            return true
        }
    }
    return false
}
// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
    decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
    if err != nil {
        return nil, errors.Wrap(err, errors.Fields{
            "key_id": license.KeyID,
        }, "decoding license authorization failed")
    }
    return decoded, nil
}

// All of the functions in this file assume that they are receiving a properly
// formatted private key.

// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating
// the validity of both the message and the private key of the person who generated
// the token.
func checkToken(message, token, privateKey string) error {
    tokenBytes, err := base64.URLEncoding.DecodeString(token)
    if err != nil {
        return errors.Wrap(err, errors.Fields{
            "token": token
        })
    }
    generatedToken, err := generateToken(message, privateKey)
    if err != nil {
        return errors.Wrap(err, errors.Fields{
            "token": token
        })
    }
    generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
    if err != nil {
        return errors.Wrap(err, errors.Fields{
            "token": token
        })
    }
    if !hmac.Equal(tokenBytes, generatedBytes) {
        return errors.Forbidden(errors.Fields{
            "token": token,
        }, "invalid token")
    }
    return nil
}

// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.
func generateToken(message, privateKey string) (string, error) {
    key, err := base64.URLEncoding.DecodeString(privateKey)
    if err != nil {
        return "", errors.Wrap(err, errors.Fields{
            "msg": message
        })
    }
    return
h := hmac.New(sha256.New, key)
h.Write([]byte(message))
return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
}

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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

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package model

import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed json blob.

package model

import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed json blob.

type CheckResponse struct {
    Expiration time.Time `json:"expiration"
    Token string    `json:"token"
    MaxEngines int    `json:"maxEngines"
    ScanningEnabled bool `json:"scanningEnabled"
    Type string `json:"licenseType"
    Tier string `json:"tier"
}

// IssuedLicense represents an issued license

package model

import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed json blob.

type IssuedLicense struct {
    KeyID         string `json:"key_id"
    PrivateKey    string `json:"private_key"
    Authorization string `json:"authorization"
}

// Valid returns true if the License is syntactically valid, false otherwise

package model

import "time"

// A CheckResponse is the internal content of the PublicCheckResponse signed json blob.

func (l *IssuedLicense) Valid() (bool, string) {
if l.KeyID == "" {
    return false, "empty key_id"
if l.PrivateKey == "" {
    return false, "empty private_key"
}

if l.Authorization == "" {
    return false, "empty authorization"
}

return true, ""

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package engine

import (  
    "bytes"  
    "encoding/json"  
    "strings"  
    "testing"  
    "time"

    "github.com/docker/cli/cli/command/formatter"  
    "github.com/docker/cli/internal/licenseutils"  
    "github.com/docker/licensing/model"  
    "gotest.tools/assert"  
    is "gotest.tools/assert/cmp"
)

func TestSubscriptionContextWrite(t *testing.T) {
    cases := []struct {
        context formatter.Context
        expected string
    }{
        // Errors
        {
            formatter.Context{Format: "{{InvalidFunction}}"},
            `Template parsing error: template: :1: function "InvalidFunction" not defined`,
        },
        {
            formatter.Context{Format: "{{nil}}"},
            `Template parsing error: template: :1: executing "" at <nil>: nil is not a command`,
        },
        // Table format
        {
            formatter.Context{Format: NewSubscriptionsFormat("table", false)),
        },
    }
}
<table>
<thead>
<tr>
<th>NUM</th>
<th>OWNER</th>
<th>PRODUCT ID</th>
<th>EXPIRES</th>
<th>PRICING COMPONENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>owner1</td>
<td>productid1</td>
<td>2020-01-01 10:00:00 +0000 UTC</td>
<td>compstring</td>
</tr>
<tr>
<td>2</td>
<td>owner2</td>
<td>productid2</td>
<td>2020-01-01 10:00:00 +0000 UTC</td>
<td>compstring</td>
</tr>
</tbody>
</table>

```
1: License Name: name1
   Quantity: 10 nodes
   Expiration date: 2020-01-01

2: License Name: name2
   Quantity: 20 nodes
   Expiration date: 2020-01-01
```

```
OWNER
owner1
owner2
```

```
OWNER
owner1
owner2
```

```
// Raw Format

license: id1
name: name1
owner: owner1
components: compstring

license: id2
name: name2
owner: owner2
components: compstring

// Custom Format
```
formatter.Context{Format: NewSubscriptionsFormat("{{.Owner}}", false)},
`owner1
owner2
`,
},
}

expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

for _, testcase := range cases {
subscriptions := []licenseutils.LicenseDisplay{
{
Num: 1,
Owner: "owner1",
Subscription: model.Subscription{
ID: "id1",
Name: "name1",
ProductID: "productid1",
Expires: &expiration,
PricingComponents: model.PricingComponents{
&model.SubscriptionPricingComponent{
Name: "nodes",
Value: 10,
},
},
ComponentsString: "compstring",
},
{
Num: 2,
Owner: "owner2",
Subscription: model.Subscription{
ID: "id2",
Name: "name2",
ProductID: "productid2",
Expires: &expiration,
PricingComponents: model.PricingComponents{
&model.SubscriptionPricingComponent{
Name: "nodes",
Value: 20,
},
},
ComponentsString: "compstring",
},

out := &bytes.Buffer{
}
testcase.context.Output = out
err := SubscriptionsWrite(testcase.context, subscriptions)
if err != nil {
    assert.Error(t, err, testcase.expected)
} else {
    assert.Check(t, is.Equal(testcase.expected, out.String()))
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
    expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
    subscriptions := []licenseutils.LicenseDisplay{
        {
            Num: 1,
            Owner: "owner1",
            Subscription: model.Subscription{
                ID: "id1",
                Name: "name1",
                ProductID: "productid1",
                Expires: &expiration,
                PricingComponents: model.PricingComponents{
                    &model.SubscriptionPricingComponent{
                        Name: "nodes",
                        Value: 10,
                    },
                },
                ComponentsString: "compstring",
            },
        },
        {
            Num: 2,
            Owner: "owner2",
            Subscription: model.Subscription{
                ID: "id2",
                Name: "name2",
                ProductID: "productid2",
                Expires: &expiration,
                PricingComponents: model.PricingComponents{
                    &model.SubscriptionPricingComponent{
                        Name: "nodes",
                        Value: 20,
                    },
                },
                ComponentsString: "compstring",
            },
        },
    }
    expectedJSONs := []map[string]interface{}{
Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.752464

```go
{
    "Owner": "owner1",
    "ComponentsString": "compstring",
    "Expires": "2020-01-01T10:00:00Z",
    "DockerID": "",
    "Eusa": nil,
    "ID": "id1",
    "Start": nil,
    "Name": "name1",
    "Num": float64(1),
    "PricingComponents": []interface{}{
        map[string]interface{}{
            "name": "nodes",
            "value": float64(10),
        },
    },
    "ProductID": "productid1",
    "ProductRatePlan": "",
    "ProductRatePlanID": "",
    "State": "",
    "Summary": "License Name: name1\tQuantity: 10 nodes\tExpiration date: 2020-01-01",
},
{
    "Owner": "owner2",
    "ComponentsString": "compstring",
    "Expires": "2020-01-01T10:00:00Z",
    "DockerID": "",
    "Eusa": nil,
    "ID": "id2",
    "Start": nil,
    "Name": "name2",
    "Num": float64(2),
    "PricingComponents": []interface{}{
        map[string]interface{}{
            "name": "nodes",
            "value": float64(20),
        },
    },
    "ProductID": "productid2",
    "ProductRatePlan": "",
    "ProductRatePlanID": "",
    "State": "",
    "Summary": "License Name: name2\tQuantity: 20 nodes\tExpiration date: 2020-01-01",
}
out := &bytes.Buffer{
err := SubscriptionsWrite(formatter.Context{Format: "{{json .}}", Output: out}, subscriptions)
```
if err != nil {
    t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
    var m map[string]interface{}
    if err := json.Unmarshal([]byte(line), &m); err != nil {
        t.Fatal(err)
    }
    assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}

func TestSubscriptionContextWriteJSONField(t *testing.T) {
    subscriptions := []licenseutils.LicenseDisplay{
        {Num: 1, Owner: "owner1"},
        {Num: 2, Owner: "owner2"},
    }
    out := &bytes.Buffer{
    }
    if err != nil {
        t.Fatal(err)
    }
    for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
        var s string
        if err := json.Unmarshal([]byte(line), &s); err != nil {
            t.Fatal(err)
        }
        assert.Check(t, is.Equal(subscriptions[i].Owner, s))
    }
}

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package engine

import (
    "time"

    "github.com/docker/cli/cli/command/formatter"
    "github.com/docker/cli/internal/licenseutils"
    "github.com/docker/licensing/model"
)

const (
    defaultSubscriptionsTableFormat = "table
        {{.Num}}	{{.Owner}}	{{.ProductID}}	{{.Expires}}	{{.ComponentsString}}"
    defaultSubscriptionsQuietFormat = "{{.Num}}:{{.Summary}}"
    numHeader               = "NUM"
    ownerHeader             = "OWNER"
    licenseNameHeader       = "NAME"
    idHeader                = "ID"
    dockerIDHeader          = "DOCKER ID"
    productIDHeader         = "PRODUCT ID"
    productRatePlanHeader   = "PRODUCT RATE PLAN"
    productRatePlanIDHeader = "PRODUCT RATE PLAN ID"
    startHeader             = "START"
    expiresHeader           = "EXPIRES"
    stateHeader             = "STATE"
    eusaHeader              = "EUSA"
    pricingComponentsHeader = "PRICING COMPONENTS"
)

// NewSubscriptionsFormat returns a Format for rendering using a license Context
func NewSubscriptionsFormat(source string, quiet bool) formatter.Format {
    switch source {
    case formatter.TableFormatKey:
        if quiet {
            return defaultSubscriptionsQuietFormat
        }
        return defaultSubscriptionsTableFormat
    case formatter.RawFormatKey:
        if quiet {
            return `license: {{.ID}}`
        }
    default:
        return defaultSubscriptionsQuietFormat
    }
}
func SubscriptionsWrite(ctx formatter.Context, subs []licenseutils.LicenseDisplay) error {
    render := func(format func(subContext formatter.SubContext) error) error {
        for _, sub := range subs {
            licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
            if err := format(licenseCtx); err != nil {
                return err
            }
        }
        return nil
    }
    licenseCtx := licenseContext{
        Header: map[string]string{
            "Num":               numHeader,
            "Owner":             ownerHeader,
            "Name":              licenseNameHeader,
            "ID":                idHeader,
            "DockerID":          dockerIDHeader,
            "ProductID":         productIDHeader,
            "ProductRatePlan":   productRatePlanHeader,
            "ProductRatePlanID": productRatePlanIDHeader,
            "Start":             startHeader,
            "Expires":           expiresHeader,
            "State":             stateHeader,
            "Eusa":              eusaHeader,
            "ComponentsString":  pricingComponentsHeader,
        }
    }
    return ctx.Write(&licenseCtx, render)
}

type licenseContext struct {
    formatter.HeaderContext
    trunc bool
    l     licenseutils.LicenseDisplay
}

func (c *licenseContext) MarshalJSON() ([]byte, error) {
    return formatter.MarshalJSON(c)
}

func (c *licenseContext) Num() int {
    return c.l.Num
}
func (c *licenseContext) Owner() string {
    return c.l.Owner
}

func (c *licenseContext) ComponentsString() string {
    return c.l.ComponentsString
}

func (c *licenseContext) Summary() string {
    return c.l.String()
}

func (c *licenseContext) Name() string {
    return c.l.Name
}

func (c *licenseContext) ID() string {
    return c.l.ID
}

func (c *licenseContext) DockerID() string {
    return c.l.DockerID
}

func (c *licenseContext) ProductID() string {
    return c.l.ProductID
}

func (c *licenseContext) ProductRatePlan() string {
    return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {
    return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
    return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
    return c.l.Expires
}

func (c *licenseContext) State() string {
    return c.l.State
}
func (c *licenseContext) Eusa() *model.EusaState {
    return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
    // Dereference the pricing component pointers in the pricing components
    // so it can be rendered properly with the template formatter

    var ret []model.SubscriptionPricingComponent
    for _, spc := range c.l.PricingComponents {
        if spc == nil {
            continue
        }
        ret = append(ret, *spc)
    }
    return ret
}

1.171 libgcrypt 1.7.6 2+deb9u3

1.171.1 Available under license:

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GNUPG    Rmi Guyomarch   1999-05-25
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ANY    g10 Code GmbH   2001-06-07
Assignment for future changes terminated on 2012-12-04.
Code marked with ChangeLog entries of g10 Code employees.
LIBGCRYPT Timo Schulz 2001-08-31
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LIBGCRYPT Simon Josefsson 2002-10-25
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CTS/MAC flags, self test improvements)
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LIBGCRYPT Moritz Schulte2003-04-17
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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22
nmav@gnutls.org
Original code for cipher/rfc2268.c.

LIBGCRYPTThe Written Word2005-04-15
Assigns past and future changes. (new: src/libgcrypt.pc.in,
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,
mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpih-mul2.S,
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,
tests/register.c, tests/ac.c, tests/basic.c, tests/tesxp.c,
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09
Assigns Past and Future Changes
bradh@frogmouth.net
(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT Hye-Shik Chang 2006-09-07
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LIBGCRYPT Werner Dittmann 2009-05-20
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(mpi/amd64, tests/mpitest.cs)

GNUPG David Shaw
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LIBGCRYPT Andrey Jivsov 2010-12-09
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(cipher/ecc.c and related files)

LIBGCRYPT  Ulrich Müller  2012-02-15
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(Changes to cipher/idea.c and related files)

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Libgcrypt used to be part of GnuPG but has been taken out into its own package on 2000-12-21.

Most of the stuff in mpi has been taken from an old GMP library version by Torbjorn Granlund <tege@noisy.tmg.se>.

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

The implementation of the Camellia cipher has been been taken from the original NTT provided GPL source.

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== tomb ==

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Tom St Denis
mgo - MongoDB driver for Go

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Written by: Philip Hazel
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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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mgo - MongoDB driver for Go

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tomb - support for clean goroutine termination in Go.

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1.176 ssl-cert 1.0.35
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1.178 curl 7.29.0-54.el7_7.1
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libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

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1.179 openssl 1.0.2I
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THE BASIC LIBRARY FUNCTIONS

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

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

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1.181 busybox 1.27.2-r11

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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']:
+                    other_arch = False
+                    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:
```python
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
```

```diff
diff -up yum-3.4.3/yum/update_md.py.old yum-3.4.3/yum/update_md.py
+++ yum-3.4.3/yum/update_md.py 2015-05-28 19:24:05.971806965 +0200
@@ -33,6 +33,7 @@ import Errors
import logginglevels
+from rpmUtils.arch import ArchStorage

diff -up yum-3.4.3/yum/update_md.py.org yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.org 2017-01-24 18:55:03.529842775 +0100
@@ -58,7 +58,7 @@ class UpdateNotice(object):
       A single update notice (for instance, a security fix).

   **
+    def __init__(self, elem=None, repoid=None, vlogger=None):
+        self._md = {
+            'from'     : '',
+            'type'     : '',
+        }
@@ -83,6 +83,9 @@ class UpdateNotice(object):
+        self._repoid = repoid
+        self._vlogger = vlogger
+
+    def __getitem__(self, item):
+        ""
+        if item:
+            self._parse(elem)
+
+    self._repoid = repoid
+    self._vlogger = vlogger
+
+    def __getitem__(self, item):
+        ""
+        if type(item) is int:
+            self._parse(elem)
@@ -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
    msg = _('Duplicate of %s differs in some fields:
')
    msg %= other._md['update_id']
    msg += '<<<<<<< %s:%s
' % (_rid(other), data)
    msg += '%r
=======
%r
' % (other._md[data], self._md[data])
    if not other or not hasattr(other, '_md'):
        return False
    msg += '>>>>>>> %s:%s
' % (_rid(self), data)
    # --verbose mode enables this
    self._vlogger.log(logging.DEBUG_3, msg)
    if data == 'status':  # FIXME: See below...
        continue
    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
    if self._md[data] not in ('stable', 'testing'):
        _log_failure(data)
        return False
    if other._md[data] not in ('stable', 'testing'):
        _log_failure(data)
        return False
    # They are both really "stable"
    self._md[data] = 'stable'

for event, elem in safe_iterparse(infile, logger=self._logger):
    if elem.tag == 'update':
        try:
            un = UpdateNotice(elem)
        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 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 %s repository.") % _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)

1.183 libev 1.6.0
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1.184 openssl 1.0.2r

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1.186 libndp 1.2 7.el7
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Go support for Protocol Buffers - Google's data interchange format

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

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

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(For 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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OTHER DEALINGS IN THE SOFTWARE.
A. HISTORY OF THE SOFTWARE

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

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

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

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

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1.224 pygobject 3.14.0 3.el7

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1.225 zlib 1.2.8.dfsg-2+b1

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1.226 libsub-exporter-perl 0.986-1

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The End

1.227 libfontenc 1.1.3-3.el7

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1.229 openssl-fipscanister 1.0.2k-12.el7.x86_64

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1.236 python-urlgrabber 3.10 9.el7

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>>> base64.c-none
>>> convertutf.c/.h from unicode, inc.-none
>>> freebsd-1.72
>>> icu4c-4.4.1
>>> unicode-5.0

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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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>>> convertutf.c/.h from unicode, inc.-none

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>>> icu4c-4.4.1

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

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (objieee), 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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1.249 perl-pod-usage 1.63 3.el7

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1.250 device-mapper-multipath 0.4.9-111.el7

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That's all there is to it!

1.251 transaction-api 1.1

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1.252 p11-kit 0.23.3 2

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1.253 pcre 8.32 17.el7

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1.257 iproute 4.11.0-25.el7_7.2

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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@nw1.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>
@@ -60,7 +60,7 @@ 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));
@@ -139,7 +139,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
    } 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) {
@@ -216,7 +216,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
  }
  }

-  if (medium[0]) {
+  if (medium) {
    p->link = ll_name_to_index(medium);
    if (p->link == 0) {
      fprintf(stderr, "Cannot find device \\
"%s\n", medium);
@@ -465,9 +465,8 @@ static int do_prl(int argc, char **argv)
      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);
      }
@@ -502,7 +500,7 @@ static int do_prl(int argc, char **argv)
 }
 argc--; argv++;
 }
-  if (devname == 0) {
+  if (!medium) {
    fprintf(stderr, "Must specify device\n");
    exit(-1);
  }
@@ -513,9 +511,8 @@ static int do_prl(int argc, char **argv)
 static int do_6rd(int argc, char **argv)
 {
 struct ip_tunnel_6rd ip6rd = {};
-  int devname = 0;
+  int devname = 0;
  int cmd = 0;
-  char medium[IFNAMSIZ] = {};
+  char medium[IFNAMSIZ] = {};
  const char *medium = NULL;
  inet_prefix prefix;
  
while (argc > 0) {
@@ -537,8 +534,7 @@ static int do_6rd(int argc, char **argv)
 cmd = SIOCDEL6RD;
 } else if (strcmp(*argv, "dev") == 0) {
   NEXT_ARG();
-    strncpy(medium, *argv, IFNAMSIZ-1);
-    devname++;
+    medium = *argv;
   } else {
    fprintf(stderr,
    "Invalid 6RD parameter \"%s\\n\", *argv);
@@ -546,7 +542,7 @@ static int do_6rd(int argc, char **argv)
 }
 argc--; argv++;
 }
-  if (devname == 0) {
+  if (!medium) {
    fprintf(stderr, "Must specify device\n");
    exit(-1);
  }
--
2.21.0

1.258 e2fsprogs 1.42.9-9.el7
1.258.1 Available under license:

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

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This package was put together by Yann Dirson <dirson@debian.org>,
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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c

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

- trivial database library - private includes
-
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This 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 package was put together by Yann Dirson <dirson@debian.org>,
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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
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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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

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

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

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

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

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

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

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

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

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
1.259 curl 7.29.0-42.el7

1.259.1 Available under license:

License Mixing with apps, libcurl and Third Party Libraries
==================================================================

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that GPL[1]-licensed code is not allowed to be linked with code licensed under the Original BSD license (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an exception[2]. This particular problem was addressed when the Modified BSD license was created, which does not have the announcement clause that collides with GPL.

libcurl http://curl.haxx.se/docs/copyright.html

Uses an MIT (or Modified BSD)-style license that is as liberal as possible. Some of the source files that deal with KRB4 have Original BSD-style announce-clause licenses. You may not distribute binaries with krb4-enabled libcurl that also link with GPL-licensed code!

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yassl  http://www.yassl.com/

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NSS  http://www.mozilla.org/projects/security/pki/nss/

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axTLS  http://axtls.sourceforge.net/

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c-ares  http://daniel.haxx.se/projects/c-ares/license.html

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib  http://www.gzip.org/zlib/zlib_license.html

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

krb4

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with
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Heimdal http://www.pdc.kth.se/heimdal/

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fbopenssl

(Used for SPNEGO support) Unclear license. Based on its name, I assume that it uses the OpenSSL license and thus shares the same issues as described for OpenSSL above.

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libssh2 http://www.libssh2.org/

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[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL
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3.0.0.753582

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1.260 netty-buffer 4.0.51

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1.261 systemd-shim 219-67.el7_7.2

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1.262 lua-sec 5.1

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

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

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

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

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

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

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

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

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1.268 rootfiles 8.1 11.el7
**1.268.1 Available under license:**

- **Summary:** The basic required files for the root user's directory
- **Name:** rootfiles
- **Version:** 8.1
- **Release:** 11%{?dist}
- **License:** Public Domain
- **Group:** System Environment/Base

# This is a Red Hat maintained package which is specific to
# our distribution. Thus the source is only available from
# within this srpm.

- **Source0:** dot-bashrc
- **Source1:** dot-bash_profile
- **Source2:** dot-bash_logout
- **Source3:** dot-tcshrc
- **Source4:** dot-cshrc

Buildroot: %{_tmppath}/%{name}-%{version}-%{release}-root-%{__id_u} -n
BuildArch: noarch

%description
The rootfiles package contains basic required files that are placed
in the root user's account. These files are basically the same
as those in /etc/skel, which are placed in regular
users' home directories.

%prep

%install
rm -rf $RPM_BUILD_ROOT
mkdir -p $RPM_BUILD_ROOT/root

for file in %{SOURCE0} %{SOURCE1} %{SOURCE2} %{SOURCE3} %{SOURCE4} ; do
  f=`basename $file`
  install -p -m 644 $file $RPM_BUILD_ROOT/root/${f/dot-/.}
done

%clean
rm -rf $RPM_BUILD_ROOT

%files
%defattr(-,root,root,-)
%config(noreplace) /root/.[A-Za-z]*

%changelog
* Fri Dec 27 2013 Daniel Mach <dmach@redhat.com> - 8.1-11
  - Mass rebuild 2013-12-27
* Thu Feb 14 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-10
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild

* Sat Jul 21 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-9
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild

* Sat Jan 14 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-8
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild

* Wed Feb 09 2011 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-7
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild

* Sun Jul 26 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-6
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_12_Mass_Rebuild

* Mon Mar 30 2009 Ondrej Vasík <ovasík@redhat.com> - 8.1-5
  - removed clear from dot-bash_logout (synchronized with bash, related to #429406)
  - removed unset USERNAME from dot-bash_profile (synchronized with bash, related to #196735)

* Mon Mar 23 2009 Phil Knirsch <pknirsch@redhat.com> - 8.1-4
  - Added the "we-are-upstream" comments according to Fedora review (#226376)
  - Added -p option to install to preserve timestamps (#226376)

* Wed Feb 25 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 8.1-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild

* Fri Oct 31 2008 Ondrej Vasík <ovasík@redhat.com> - 8.1-2
  - Add dist tag, fix a few rpmlint issues, rebuild due to wrong vendor (#451229)
  - Added ncurses requirement(#469390)

* Wed Jul 12 2006 Jesse Keating <jkeating@redhat.com> - 8.1-1.1.1
  - rebuild

* Fri Dec 09 2005 Jesse Keating <jkeating@redhat.com>
  - rebuilt

* Fri Dec 3 2004 Bill Nottingham <notting@redhat.com> 8.1-1
  - restore tcsh prompt into .tcshrc (#141782)

* Wed Sep 22 2004 Bill Nottingham <notting@redhat.com> 8-1
  - sync files with current /etc/skel stuff
  - remove Xresources (#75666)

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
  - rebuilt
* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
  - rebuilt

* Wed Dec 11 2002 Tim Powers <timp@redhat.com> 7.2-5
  - rebuild

* Fri Jun 21 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Thu Jul 5 2001 Preston Brown <pbrown@redhat.com> 7.2-1
  - /sbin stuff out of PATH, moved into /etc/profile

* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
  - automatic rebuild

* Tue Jul 11 2000 Preston Brown <pbrown@redhat.com>
  - fix .tcshrc

* Mon Jul 3 2000 Jakub Jelinek <jakub@redhat.com>
  - don't assume ASCII ordering in glob pattern

* Sat Jun 10 2000 Bill Nottingham <notting@redhat.com>
  - rebuild
  - fix some path stuff (#11191)

* Tue Apr 18 2000 Bill Nottingham <notting@redhat.com>
  - mv .Xdefaults -> .Xresources (#10623)

* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
  - auto rebuild in the new build environment (release 5)

* Tue Jan 12 1999 Jeff Johnson <jbj@redhat.com>
  - add %%clean (#719)

* Tue Dec 29 1998 Cristian Gafton <gafton@redhat.com>
  - build for 6.0

* Wed Oct 9 1998 Bill Nottingham <notting@redhat.com>
  - remove /root from %%files (it's in filesystem)

* Sun Aug 23 1998 Jeff Johnson <jbj@redhat.com>
- portability fix for .cshrc (problem #235)
- change version to be same as release.

* Tue Sep 09 1997 Erik Troan <ewt@redhat.com>
- made a noarch package

* Thu Mar 20 1997 Erik Troan <ewt@redhat.com>
- Removed .Xclients and .Xsession from package, added %%pre to back up old .Xclients if necessary.

1.269 httpcomponents-core 4.4.4

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1.272 jaeger v0.0.0-20180103221425-e02c85f9069e
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1.276 libpcap 1.5.3-11.el7

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1.277 biosdevname 0.7.2 1.el7

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/* Extracted from chown.c/chgrp.c and librarified by Jim Meyering. */

#include <config.h>
#include <stdio.h>
#include <sys/types.h>
#include <pwd.h>
#include <grp.h>

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

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

Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.753779


/* 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"));
        }
        else
        {
            fmt = (user ? _("failed to change ownership of %s to %s\n")
                : group ? _("failed to change group of %s to %s\n")
                : _("failed to change ownership of %s\n"));
            free (old_spec);
            old_spec = spec;
            spec = NULL;
        }
    }
break;
case CH_NO_CHANGE_REQUESTED:
    fmt = (user ? "ownership of %s retained as %s\n"
       : group ? "group of %s retained as %s\n"
       : "ownership of %s retained\n"));
    break;
default:
    abort();
}

printf (fmt, quote (file), old_spec, spec);
free (old_spec);
free (spec);
}

#ifndef RCH_OK
#define RCH_OK 0
#endif

#define RCH_CHOWN_ERROR -1
#define RCH_NO_UID_GID -2

struct stat

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;

    /* 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. */

    /* Handle the case of no change requested, which is also used for
    * the case of matching UID and GID.
    */

    if (open (file, open_flags, 0666) == -1)
        return (errno == ENOENT) ? RC_chown_error : RC_no_uid_gid;

    if (fstat (fd, &st) == -1)
        return (errno == ENOENT) ? RC_chown_error : RC_no_uid_gid;

    if (demote (st.st_dev, st.st_ino, &st)
        || st.st_dev != orig_st->st_dev
        || st.st_ino != orig_st->st_ino)
        return (errno == ENOENT) ? RC_chown_error : RC_no_uid_gid;

    if (chown (file, uid, gid) == -1)
        return (errno == EACCES) ? RC_chown_error : RC_no_uid_gid;

    return RC_ok;
}

static int
fchown (int fd, uid_t uid, gid_t gid)
{
    return fchown (fd, uid, gid, 0);
}

int
chown (char const *file, uid_t uid, gid_t gid)
{
    return (int) restricted_chown (STD_CWD_FILENO, file,
    NULL, uid, gid, uid, gid);
}

int
chown (char const *file, uid_t uid, gid_t gid, struct stat const *orig_st)
{
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 stat_buf;
    bool ok = true;
    bool do_chown;
    bool symlink_changed = true;

    switch (ent->fts_info)
    {
    case FTS_D:
        if (chopt->recurse)
        {
            if (ROOT_DEV_INO_CHECK (chopt->root_dev_ino, ent->fts_statp))
            {
                /* This happens e.g., with "chown -R --preserve-root 0 /" 
                 and with "chown -RH --preserve-root 0 symlink-to-root". */
                ROOT_DEV_INO_WARN (file_full_name);
                /* Tell fts not to traverse into this hierarchy. */
                fts_set (fts, ent, FTS_SKIP);
                /* Ensure that we do not process "/" on the second visit. */
                ignore_value (fts_read (fts));
                return false;
            }
            return true;
        }
        break;
    case FTS_DP:
        if (! chopt->recurse)
            return true;
        break;
    case FTS_NS:
        /* For a top-level file or directory, this FTS_NS (stat failed)
           indicator is determined at the time of the initial fts_open call.
           With programs like chmod, chown, and chgrp, that modify
           permissions, it is possible that the file in question is
           accessible when control reaches this point. So, if this is
           the first time we've seen the FTS_NS for this file, tell
           fts_read to stat it "again". */
        if (ent->fts_level == 0 && ent->fts_number == 0)
            {
                ent->fts_number = 1;
                fts_set (fts, ent, FTS_AGAIN);
            }
return true;
}
if (! chopt->force_silent)
    error (0, ent->fts_errno, _("cannot access %s"),
            quote (file_full_name));
ok = false;
break;

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

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

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

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

file_stats = ent->fts_statp;

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

    file_stats = &stat_buf;
}

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

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

if (do_chown)
{
    if ( ! chopt->affect_symlink_referent)
    {
        ok = (lchownat (fts->fts_cwd_fd, file, uid, gid) == 0);

        /* Ignore any error due to lack of support; POSIX requires
           this behavior for top-level symbolic links with -h, and
           implies that it's required for all symbolic links. */
        if (!ok && errno == EOPNOTSUPP)
        {
            ok = true;
            symlink_changed = false;
        }
    }
}
/* 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*

/* 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 ();
        break;
    }

    /* 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, oldgrp,
            chopt->user_name, chopt->group_name);
    free (old usr);
    free (old grp);
}
}

if ( ! chopt->recurse)
    fts_set (fts, ent, FTS_SKIP);

return ok;
}

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

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

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

  while (1)
  {
    FTSENT *ent;

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

    ok &= change_file_owner (fts, ent, uid, gid,
                required_uid, required_gid, chopt);
  }

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

  return ok;
}

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Ty Coon, President of Vice

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1.281 rpm 4.11.3 21.el7

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*
* @(#)errno.h 8.5 (Berkeley) 1/21/94
*/

#define TARGET_EPERM            1       /* Operation not permitted */
#define TARGET_ENOENT           2       /* No such file or directory */
#define TARGET_ESRCH            3       /* No such process */
#define TARGET_EINTR            4       /* Interrupted system call */
#define TARGET_EIO              5       /* Input/output error */
#define TARGET_ENXIO            6       /* Device not configured */
#define TARGET_E2BIG            7       /* Argument list too long */
#define TARGET_ENOEXEC          8       /* Exec format error */
#define TARGET_EBADF            9       /* Bad file descriptor */
#define TARGET_ECHILD           10      /* No child processes */
#define TARGET_EDEADLK          11      /* Resource deadlock avoided */
                           /* 11 was EAGAIN */
#define TARGET_ENOMEM           12      /* Cannot allocate memory */
#define TARGET_EACCES           13      /* Permission denied */
#define TARGET_EFAULT           14      /* Bad address */
#define TARGET_ENOTBLK          15      /* Block device required */
#define TARGET_EBUSY            16      /* Device busy */
#define TARGET_EXEXIST          17      /* File exists */
#define TARGET_EXDEV            18      /* Cross-device link */
#define TARGET_ENODEV           19      /* Operation not supported by device */
#define TARGET_ENOTDIR          20      /* Not a directory */
#define TARGET_EISDIR           21      /* Is a directory */
#define TARGET_EINVAL 22  /**< Invalid argument */
#define TARGET_ENFILE 23  /**< Too many open files in system */
#define TARGET_EMFILE 24  /**< Too many open files */
#define TARGET_ENOTTY 25  /**< Inappropriate ioctl for device */
#define TARGET_ETXTBSY 26  /**< Text file busy */
#define TARGET_EFBIG 27  /**< File too large */
#define TARGET_ENOSPC 28  /**< No space left on device */
#define TARGET_ESPIPE 29  /**< Illegal seek */
#define TARGET_EMLINK 32  /**< Read-only file system */
#define TARGET_EMFILE 33  /**< Too many open files */
#define TARGET_EPIPE 34  /**< Broken pipe */

/* math software */
#define TARGET_EDOM 35  /**< Numerical argument out of domain */
#define TARGET_ERANGE 36  /**< Result too large */

/* non-blocking and interrupt i/o */
#define TARGET_EAGAIN 37  /**< Resource temporarily unavailable */
#define TARGET_EWOULDBLOCK 38  /**< Operation would block */
#define TARGET_EINPROGRESS 39  /**< Operation now in progress */
#define TARGET_EALREADY 40  /**< Operation already in progress */

/* ipc/network software -- argument errors */
#define TARGET_ENOTSOCK 41  /**< Socket operation on non-socket */
#define TARGET_EDESTADDRREQ 42  /**< Destination address required */
#define TARGET_EMMSIZE 43  /**< Message too long */
#define TARGET_EPROTOTYPE 44  /**< Protocol wrong type for socket */
#define TARGET_ENOPROTOOPT 45  /**< Protocol not available */
#define TARGET_EPROTONOSUPPORT 46  /**< Protocol not supported */
#define TARGET_ENOPROTOOSPPORT 47  /**< Protocol family not supported */
#define TARGET_ENOPROTOOSPPORT 48  /**< Protocol family not supported */
#define TARGET_EPROTONOSUPPORT 49  /**< Protocol type not supported */
#define TARGET_ENOPROTOOSPPORT 50  /**< Protocol type not supported */
#define TARGET_EPROTONOSUPPORT 51  /**< Protocol type not supported */
#define TARGET_ENOPROTOOSPPORT 52  /**< Protocol type not supported */
#define TARGET_EPROTONOSUPPORT 53  /**< Protocol type not supported */
#define TARGET_ENOPROTOOSPPORT 54  /**< Protocol type not supported */
#define TARGET_EPROTONOSUPPORT 55  /**< Protocol type not supported */
#define TARGET_ENOPROTOOSPPORT 56  /**< Protocol type not supported */
#define TARGET_EPROTONOSUPPORT 57  /**< Protocol type not supported */
#define TARGET_ENOPROTOOSPPORT 58  /**< Protocol type not supported */
#define TARGET_EPROTONOSUPPORT 59  /**< Protocol type not supported */
#define TARGET_ENOPROTOOSPPORT 60  /**< Protocol type not supported */

/* ipc/network software -- operational errors */
#define TARGET_ENETDOWN 61  /**< Network is down */
#define TARGET_ENETUNREACH 62  /**< Network is unreachable */
#define TARGET_ENETRESET 63  /**< Network dropped connection on reset */
#define TARGET_ECNNABORTED 64  /**< Software caused connection abort */
#define TARGET_ECONNRESET 65  /**< Connection reset by peer */
#define TARGET_ENOBUFS 66  /**< No buffer space available */
#define TARGET_EISCONN 67  /**< Socket is already connected */
#define TARGET_ENOTCONN 68  /**< Socket is not connected */
#define TARGET_ESHUTDOWN 69  /**< Can't send after socket shutdown */
#define TARGET_ETOOOMANYREFS 70  /**< Too many references: can't splice */
#define TARGET_ETIMEDOUT 71  /**< Operation timed out */
#define TARGET_ECONNREFUSED 61 /* Connection refused */

#define TARGET_ELOOP 62 /* Too many levels of symbolic links */
#define TARGET_ENAMETOOLONG 63 /* File name too long */

/* should be rearranged */
#define TARGET_EHOSTDOWN 64 /* Host is down */
#define TARGET_EHOSTUNREACH 65 /* No route to host */
#define TARGET_ENOTEMPTY 66 /* Directory not empty */

/* quotas & mush */
#define TARGET_EPROCLIM 67 /* Too many processes */
#define TARGET_EUSERS 68 /* Too many users */
#define TARGET_EDQUOT 69 /* Disk quota exceeded */

/* Network File System */
#define TARGET_ESTALE 70 /* Stale NFS file handle */
#define TARGET_EREMOTE 71 /* Too many levels of remote in path */
#define TARGET_EBADRPC 72 /* RPC struct is bad */
#define TARGET_ERPCMISMATCH 73 /* RPC version wrong */
#define TARGET_EPROGUNAVAIL 74 /* RPC prog. not avail */
#define TARGET_EPROGMISMATCH 75 /* Program version wrong */
#define TARGET_EPROCUNAVAIL 76 /* Bad procedure for program */

#define TARGET_ENOLCK 77 /* No locks available */
#define TARGET_ENOSYS 78 /* Function not implemented */

#define TARGET_EFTYPE 79 /* Inappropriate file type or format */
#define TARGET_EAUTH 80 /* Authentication error */
#define TARGET_ENEEDAUTH 81 /* Need authenticator */
#define TARGET_EIPSEC 82 /* IPsec processing failure */
#define TARGET_ENOATTR 83 /* Attribute not found */
#define TARGET_EILSEQ 84 /* Illegal byte sequence */
#define TARGET_ENOMEDIUM 85 /* No medium found */
#define TARGET_EMEDIUMTYPE 86 /* Wrong Medium Type */
#define TARGET_EOVERFLOW 87 /* Conversion overflow */
#define TARGET_ECANCELED 88 /* Operation canceled */
#define TARGET_EIDRM 89 /* Identifier removed */
#define TARGET_ENOMSG 90 /* No message of desired type */
#define TARGET_ELAST 90 /* Must be equal largest errno */

---

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This dtc package contains two pieces of software: dtc itself, and
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David Gibson <david@gibson.dropbear.id.au>
(principal original author of dtc and libfdt)
2 November 2007
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Ty Coon, President of Vice

That's all there is to it!
/* $OpenBSD: syscall.h,v 1.101 2008/03/16 19:43:41 otto Exp $ */

/*
 * System call numbers.
 *
 * created from; OpenBSD: syscalls.master,v 1.90 2008/03/16 19:42:57 otto Exp */

#define TARGET_OPENBSD_NR_syscall 0
#define TARGET_OPENBSD_NR_exit 1
#define TARGET_OPENBSD_NR_fork 2
#define TARGET_OPENBSD_NR_read 3
#define TARGET_OPENBSD_NR_write 4
#define TARGET_OPENBSD_NR_open 5
#define TARGET_OPENBSD_NR_wait4 7
#define TARGET_OPENBSD_NR_link 9
#define TARGET_OPENBSD_NR_unlink 10
#define TARGET_OPENBSD_NR_chdir 12
#define TARGET_OPENBSD_NR_fchdir 13
#define TARGET_OPENBSD_NR_mknod 14
#define TARGET_OPENBSD_NR_chmod 15
#define TARGET_OPENBSD_NR_chown 16
#define TARGET_OPENBSD_NR_break 17
#define TARGET_OPENBSD_NR_getpid 20
#define TARGET_OPENBSD_NR_unmount 21
#define TARGET_OPENBSD_NR_setuid 23
#define TARGET_OPENBSD_NR_getuid 24
#define TARGET_OPENBSD_NR_geteuid 25
#define TARGET_OPENBSD_NR_ptrace 26
#define TARGET_OPENBSD_NR_recvmsg 27
#define TARGET_OPENBSD_NR_sendmsg 28
#define TARGET_OPENBSD_NR_recvfrom 29
#define TARGET_OPENBSD_NR_accept 30
#define TARGET_OPENBSD_NR_getpeername 31
#define TARGET_OPENBSD_NR_getsockopt 32
#define TARGET_OPENBSD_NR_access 33
#define TARGET_OPENBSD_NR_chflags 34
#define TARGET_OPENBSD_NR_fchflags 35
#define TARGET_OPENBSD_NR_sync 36
#define TARGET_OPENBSD_NR_kill 37
#define TARGET_OPENBSD_NR_getppid 39
#define TARGET_OPENBSD_NR_dup 41
#define TARGET_OPENBSD_NR_opipe 42
#define TARGET_OPENBSD_NR_getegid 43
#define TARGET_OPENBSD_NR_ptrace 44
#define TARGET_OPENBSD_NR_ktrace 45
#define TARGET_OPENBSD_NR_sigaction 46
#define TARGET_OPENBSD_NR_getgid 47
#define TARGET_OPENBSD_NR_sigprocmask 48
#define TARGET_OPENBSD_NR_getlogin 49
#define TARGET_OPENBSD_NR_setlogin 50
#define TARGET_OPENBSD_NR_acct 51
#define TARGET_OPENBSD_NR_getpgrp 52
#define TARGET_OPENBSD_NR_setpgrp 53
#define TARGET_OPENBSD_NR_ioctl 54
#define TARGET_OPENBSD_NR_reboot 55
#define TARGET_OPENBSD_NR_revoke 56
#define TARGET_OPENBSD_NR_symmlink 57
#define TARGET_OPENBSD_NR_readlink 58
#define TARGET_OPENBSD_NR_execve 59
#define TARGET_OPENBSD_NR_umask 60
#define TARGET_OPENBSD_NR_chroot 61
#define TARGET_OPENBSD_NR_vfork 66
#define TARGET_OPENBSD_NR_sbrk 69
#define TARGET_OPENBSD_NR_sstk 70
#define TARGET_OPENBSD_NR_munmap 73
#define TARGET_OPENBSD_NR_mprotect 74
#define TARGET_OPENBSD_NR_madvise 75
#define TARGET_OPENBSD_NR_mincore 78
#define TARGET_OPENBSD_NR_getgroups 79
#define TARGET_OPENBSD_NR_setgroups 80
#define TARGET_OPENBSD_NR_getpgrp 81
#define TARGET_OPENBSD_NR_setpgid 82
#define TARGET_OPENBSD_NR_setitimer 83
#define TARGET_OPENBSD_NR_getitimer 86
#define TARGET_OPENBSD_NR_dup2 90
#define TARGET_OPENBSD_NR_fcntl 92
#define TARGET_OPENBSD_NR_select 93
#define TARGET_OPENBSD_NR_fsync 95
#define TARGET_OPENBSD_NR_setpriority 96
#define TARGET_OPENBSD_NR_socket 97
#define TARGET_OPENBSD_NR_connect 98
#define TARGET_OPENBSD_NR_getpriority 100
#define TARGET_OPENBSD_NR_sigreturn 103
#define TARGET_OPENBSD_NR_bind 104
#define TARGET_OPENBSD_NR_setssockopt 105
#define TARGET_OPENBSD_NR_listen 106
#define TARGET_OPENBSD_NR_sigsuspend 111
#define TARGET_OPENBSD_NR_gettimeofday 116
#define TARGET_OPENBSD_NR_getrusage 117
#define TARGET_OPENBSD_NR_getsocket 118
#define TARGET_OPENBSD_NR_readv 120
#define TARGET_OPENBSD_NR_writev 121
#define TARGET_OPENBSD_NR_settimeofday 122
#define TARGET_OPENBSD_NR_fchown 123
#define TARGET_OPENBSD_NR_fchmod 124
#define TARGET_OPENBSD_NR_setreuid 126
#define TARGET_OPENBSD_NR_setregid 127
#define TARGET_OPENBSD_NR_rename 128
#define TARGET_OPENBSD_NR_flock 131
#define TARGET_OPENBSD_NR_mkdir 136
#define TARGET_OPENBSD_NR_rmdir 137
#define TARGET_OPENBSD_NR_utimes 138
#define TARGET_OPENBSD_NR_adjtime 140
#define TARGET_OPENBSD_NR_setsid 147
#define TARGET_OPENBSD_NR_quotactl 148
#define TARGET_OPENBSD_NR_nfssvc 155
#define TARGET_OPENBSD_NR_getfh 161
#define TARGET_OPENBSD_NR_sysarch 165
#define TARGET_OPENBSD_NR_pread 173
#define TARGET_OPENBSD_NR_pwrite 174
#define TARGET_OPENBSD_NR_setgid 181
#define TARGET_OPENBSD_NR_setegid 182
#define TARGET_OPENBSD_NR_seteuid 183
#define TARGET_OPENBSD_NR_lfs_bmapv 184
#define TARGET_OPENBSD_NR_lfs_markv 185
#define TARGET_OPENBSD_NR_lfs_segeclean 186
#define TARGET_OPENBSD_NR_lfs_segwait 187
#define TARGET_OPENBSD_NR_pathconf 191
#define TARGET_OPENBSD_NR_fpathconf 192
#define TARGET_OPENBSD_NR_swapctl 193
#define TARGET_OPENBSD_NR_getrlimit 194
#define TARGET_OPENBSD_NR_setrlimit 195
#define TARGET_OPENBSD_NR_getdirentries 196
#define TARGET_OPENBSD_NR_mmap 197
#define TARGET_OPENBSD_NR___syscall 198
#define TARGET_OPENBSD_NR_lseek 199
#define TARGET_OPENBSD_NR_truncate 200
#define TARGET_OPENBSD_NR___sysctl 202
#define TARGET_OPENBSD_NR_mlock 203
#define TARGET_OPENBSD_NR_munlock 204
#define TARGET_OPENBSD_NR___syscall 206
#define TARGET_OPENBSD_NR_getpgid 207
#define TARGET_OPENBSD_NR_xfsioctl 208
#define TARGET_OPENBSD_NR_semget 221
#define TARGET_OPENBSD_NR_msgget 225
#define TARGET_OPENBSD_NR_msgsnd 226
#define TARGET_OPENBSD_NR_msgrcv 227
#define TARGET_OPENBSD_NR_shmat 228
#define TARGET_OPENBSD_NR_shmdt 230
#define TARGET_OPENBSD_NR_clock_gettime 232
#define TARGET_OPENBSD_NR_clock_settime 233
#define TARGET_OPENBSD_NR_clock_getres 234
#define TARGET_OPENBSD_NR_nanosleep 240
#define TARGET_OPENBSD_NR_minherit 250
#define TARGET_OPENBSD_NR_rfork 251
#define TARGET_OPENBSD_NR_poll 252
#define TARGET_OPENBSD_NR_issetugid 253
#define TARGET_OPENBSD_NR_lchown 254
#define TARGET_OPENBSD_NR_getsid 255
#define TARGET_OPENBSD_NR_msync 256
#define TARGET_OPENBSD_NR_pipe 263
#define TARGET_OPENBSD_NR_fhopen 264
#define TARGET_OPENBSD_NR_preadv 267
#define TARGET_OPENBSD_NR_pwritev 268
#define TARGET_OPENBSD_NR_kqueue 269
#define TARGET_OPENBSD_NR_kevent      270
#define TARGET_OPENBSD_NR_mlockall    271
#define TARGET_OPENBSD_NR_munlockall  272
#define TARGET_OPENBSD_NR_getpeerid   273
#define TARGET_OPENBSD_NR_getresuid   281
#define TARGET_OPENBSD_NR_setresuid   282
#define TARGET_OPENBSD_NR_getresgid   283
#define TARGET_OPENBSD_NR_setresgid   284
#define TARGET_OPENBSD_NR_mquery      286
#define TARGET_OPENBSD_NR_closefrom   287
#define TARGET_OPENBSD_NR_sigaltstack 288
#define TARGET_OPENBSD_NR_shmget     289
#define TARGET_OPENBSD_NR_semop       290
#define TARGET_OPENBSD_NR_stat       291
#define TARGET_OPENBSD_NR_fstat      292
#define TARGET_OPENBSD_NR_lstat      293
#define TARGET_OPENBSD_NR_fhstat     294
#define TARGET_OPENBSD_NR___semctl    295
#define TARGET_OPENBSD_NR_shmctl     296
#define TARGET_OPENBSD_NR_msgctl     297
#define TARGET_OPENBSD_NR_sched_yield 298
#define TARGET_OPENBSD_NR_getthrid    299
#define TARGET_OPENBSD_NR_thrsleep   300
#define TARGET_OPENBSD_NR_thrwakeup  301
#define TARGET_OPENBSD_NR_threxit    302
#define TARGET_OPENBSD_NR_thrsigdivert  303
#define TARGET_OPENBSD_NR___getcwd   304
#define TARGET_OPENBSD_NR_adjfreq    305
#define TARGET_OPENBSD_NR_getfsstat  306
#define TARGET_OPENBSD_NR_fstatfs    307
#define TARGET_OPENBSD_NR_fhstatfs   308
#define TARGET_OPENBSD_NR__fstatfs   309

/* syscall flags from machine/trap.h */

/* $OpenBSD: trap.h,v 1.4 2008/07/04 22:04:37 kettenis Exp $ */
/* $NetBSD: trap.h,v 1.4 1999/06/07 05:28:04 eeh Exp $ */

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*
*/
#define TARGET_OPENBSD_SYSCALL_G2RFLAG 0x400 /* on success, return to %g2 rather than npc */
#define TARGET_OPENBSD_SYSCALL_G7RFLAG 0x800 /* use %g7 as above (deprecated) */

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functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative 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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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
That's all there is to it!

GPL License Exception:

Even though U-Boot in general is covered by the GPL-2.0/GPL-2.0+, this does *not* cover the so-called "standalone" applications that use U-Boot services by means of the jump table provided by U-Boot exactly for this purpose - this is merely considered normal use of U-Boot, and does *not* fall under the heading of "derived work".

The header files "include/image.h" and "arch/*/include/asm/u-boot.h" define interfaces to U-Boot. Including these (unmodified) header files in another file is considered normal use of U-Boot, and does *not* fall under the heading of "derived work".

-- Wolfgang Denk
/*
 * System call numbers.
 *
 * created from FreeBSD: releng/9.1/sys/kern/syscalls.master 229723
 * 2012-01-06 19:29:16Z jhb
 */

#define TARGET_FREEBSD_NR_syscall  0
#define TARGET_FREEBSD_NR_exit    1
#define TARGET_FREEBSD_NR_fork    2
#define TARGET_FREEBSD_NR_read    3
#define TARGET_FREEBSD_NR_write   4
#define TARGET_FREEBSD_NR_open    5
#define TARGET_FREEBSD_NR_close   6
#define TARGET_FREEBSD_NR_wait4   7
    /* 8 is old creat */
#define TARGET_FREEBSD_NR_link    9
#define TARGET_FREEBSD_NR_unlink  10
    /* 11 is obsolete execv */
#define TARGET_FREEBSD_NR_chdir   12
#define TARGET_FREEBSD_NR_fchdir  13
#define TARGET_FREEBSD_NR_mknod   14
#define TARGET_FREEBSD_NR_chmod   15
#define TARGET_FREEBSD_NR_chown   16
#define TARGET_FREEBSD_NR_break   17
#define TARGET_FREEBSD_NR_freebsd4_getfsstat 18
    /* 19 is old lseek */
#define TARGET_FREEBSD_NR_getpid  20
#define TARGET_FREEBSD_NR_mount   21
#define TARGET_FREEBSD_NRUnmount  22
#define TARGET_FREEBSD_NR_setuid  23
#define TARGET_FREEBSD_NR_getuid  24
#define TARGET_FREEBSD_NR_geteuid 25
#define TARGET_FREEBSD_NR_ptrace 26
#define TARGET_FREEBSD_NR_recvmsg 27
#define TARGET_FREEBSD_NR_sendmsg 28
#define TARGET_FREEBSD_NR_recvfrom 29
#define TARGET_FREEBSD_NR_accept 30
#define TARGET_FREEBSD_NR_getpeername 31
#define TARGET_FREEBSD_NR_getsockname 32
#define TARGET_FREEBSD_NR_access 33
#define TARGET_FREEBSD_NR_chflags 34
#define TARGET_FREEBSD_NR_fchflags 35
#define TARGET_FREEBSD_NR_sync 36
#define TARGET_FREEBSD_NR_kill 37
/* 38 is old stat */
#define TARGET_FREEBSD_NR_getppid 39
/* 40 is old lstat */
#define TARGET_FREEBSD_NR_dup 41
#define TARGET_FREEBSD_NR_pipe 42
#define TARGET_FREEBSD_NR_getegid 43
#define TARGET_FREEBSD_NR_profil 44
#define TARGET_FREEBSD_NR_ktrace 45
/* 46 is old sigaction */
#define TARGET_FREEBSD_NR_getgid 47
/* 48 is old sigprocmask */
#define TARGET_FREEBSD_NR_getlogin 49
#define TARGET_FREEBSD_NR_setlogin 50
#define TARGET_FREEBSD_NR_acct 51
/* 52 is old sigpending */
#define TARGET_FREEBSD_NR_sigaltstack 53
#define TARGET_FREEBSD_NR_ioctl 54
#define TARGET_FREEBSD_NR_reboot 55
#define TARGET_FREEBSD_NR_revoke 56
#define TARGET_FREEBSD_NR_symlink 57
#define TARGET_FREEBSD_NR_readlink 58
#define TARGET_FREEBSD_NR_execve 59
#define TARGET_FREEBSD_NR_umask 60
#define TARGET_FREEBSD_NR_chroot 61
/* 62 is old fstat */
/* 63 is old getkerninfo */
/* 64 is old getpagesize */
#define TARGET_FREEBSD_NR_msync 65
#define TARGET_FREEBSD_NR_vfork 66
/* 67 is obsolete vread */
/* 68 is obsolete vwrite */
#define TARGET_FREEBSD_NR_sbrk 69
#define TARGET_FREEBSD_NR_sstk 70
/* 71 is old mmap */
#define TARGET_FREEBSD_NR_vadvise 72
#define TARGET_FREEBSD_NR_munmap  73
#define TARGET_FREEBSD_NR_mprotect 74
#define TARGET_FREEBSD_NR_madvise  75
/* 76 is obsolete vhangup */
/* 77 is obsolete vlimit */
#define TARGET_FREEBSD_NR_mincore  78
#define TARGET_FREEBSD_NR_getgroups 79
#define TARGET_FREEBSD_NR_setgroups 80
#define TARGET_FREEBSD_NR_getpgrp 81
#define TARGET_FREEBSD_NR_setpgid 82
#define TARGET_FREEBSD_NR_setitimer 83
/* 84 is old wait */
#define TARGET_FREEBSD_NR_swapoff  85
#define TARGET_FREEBSD_NR_getitimer 86
/* 87 is old gethostname */
/* 88 is old sethostname */
#define TARGET_FREEBSD_NR_getdtablesize 89
#define TARGET_FREEBSD_NR_dup2  90
#define TARGET_FREEBSD_NR_fcntl 92
#define TARGET_FREEBSD_NR_select 93
#define TARGET_FREEBSD_NR_fsync 95
#define TARGET_FREEBSD_NR_setpriority  96
#define TARGET_FREEBSD_NR_swapon 97
#define TARGET_FREEBSD_NR_connect 98
/* 99 is old accept */
#define TARGET_FREEBSD_NR_getpriority 100
/* 101 is old send */
/* 102 is old recv */
/* 103 is old sigreturn */
#define TARGET_FREEBSD_NR_bind  104
#define TARGET_FREEBSD_NR_setsockopt 105
#define TARGET_FREEBSD_NR_listen   106
/* 107 is obsolete vtimes */
/* 108 is old sigvec */
/* 109 is old sigblock */
/* 110 is old sigsetmask */
/* 111 is old sigsuspend */
/* 112 is old sigstack */
/* 113 is old recvmsg */
/* 114 is old sendmsg */
/* 115 is obsolete vtrace */
#define TARGET_FREEBSD_NR_gettimeofday 116
#define TARGET_FREEBSD_NR_getrusage 117
#define TARGET_FREEBSD_NR_getsockopt 118
#define TARGET_FREEBSD_NR_readv 119
#define TARGET_FREEBSD_NR_writev 120
#define TARGET_FREEBSD_NR_settimeofday 122
#define TARGET_FREEBSD_NR_fchown    123
#define TARGET_FREEBSD_NR_fchmod 124
  /* 125 is old recvfrom */
#define TARGET_FREEBSD_NR_setreuid 126
#define TARGET_FREEBSD_NR_setregid 127
#define TARGET_FREEBSD_NR_rename 128
  /* 129 is old truncate */
  /* 130 is old ftruncate */
#define TARGET_FREEBSD_NR_flock 131
#define TARGET_FREEBSD_NR_mkfifo 132
#define TARGET_FREEBSD_NR_sendto 133
#define TARGET_FREEBSD_NR_shutdown 134
#define TARGET_FREEBSD_NR_socketpair 135
#define TARGET_FREEBSD_NR_mkdir 136
#define TARGET_FREEBSD_NR_rmdir 137
#define TARGET_FREEBSD_NR_utimes 138
  /* 139 is obsolete 4.2 sigreturn */
#define TARGET_FREEBSD_NR_adjtime 140
  /* 141 is old getpeername */
  /* 142 is old gethostid */
  /* 143 is old sethostid */
  /* 144 is old getrlimit */
  /* 145 is old setrlimit */
  /* 146 is old killpg */
#define TARGET_FREEBSD_NR_killpg 146 /* COMPAT */
#define TARGET_FREEBSD_NR_setsid 147
#define TARGET_FREEBSD_NR_quotactl 148
  /* 149 is old quota */
  /* 150 is old getsockname */
#define TARGET_FREEBSD_NR_nlm_syscall 154
#define TARGET_FREEBSD_NR_nfssvc 155
  /* 156 is old getdirentreies */
#define TARGET_FREEBSD_NR_freebsd4_statfs 157
#define TARGET_FREEBSD_NR_freebsd4_fstatfs 158
#define TARGET_FREEBSD_NR_lgetfh 160
#define TARGET_FREEBSD_NR_getfh 161
#define TARGET_FREEBSD_NR_freebsd4_getdomainname 162
#define TARGET_FREEBSD_NR_freebsd4_setdomainname 163
#define TARGET_FREEBSD_NR_freebsd6_pread 164
#define TARGET_FREEBSD_NR_freebsd6_pwrite 165
#define TARGET_FREEBSD_NR_rtprio 166
#define TARGET_FREEBSD_NR_semsys 169
#define TARGET_FREEBSD_NR_msgsys 170
#define TARGET_FREEBSD_NR_shmsys 171
#define TARGET_FREEBSD_NR_freebsd6_setfib 173
#define TARGET_FREEBSD_NR_freebsd6_pwrite 174
#define TARGET_FREEBSD_NR_setfib 175
#define TARGET_FREEBSD_NR_ntp_adjtime 176
#define TARGET_FREEBSD_NR_setgid 181
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#define TARGET_FREEBSD_NR_setegid 182
#define TARGET_FREEBSD_NR_seteuid 183
#define TARGET_FREEBSD_NR_stat 188
#define TARGET_FREEBSD_NR_fstat 189
#define TARGET_FREEBSD_NR_lstat 190
#define TARGET_FREEBSD_NR_pathconf 191
#define TARGET_FREEBSD_NR_fpathconf 192
#define TARGET_FREEBSD_NR_getrlimit 194
#define TARGET_FREEBSD_NR_setrlimit 195
#define TARGET_FREEBSD_NR_getdirentsvies 196
#define TARGET_FREEBSD_NR_freebsd6_mmap 197
#define TARGET_FREEBSD_NR___syscall 198
#define TARGET_FREEBSD_NR_freebsd6_lseek 199
#define TARGET_FREEBSD_NR_freebsd6_truncate 200
#define TARGET_FREEBSD_NR_freebsd6_ftruncate 201
#define TARGET_FREEBSD_NR___sysctl 202
#define TARGET_FREEBSD_NR_mlock 203
#define TARGET_FREEBSD_NR_munlock 204
#define TARGET_FREEBSD_NR___sysctv 205
#define TARGET_FREEBSD_NR_futimes 206
#define TARGET_FREEBSD_NR_getpgid 207
#define TARGET_FREEBSD_NR_poll 209
#define TARGET_FREEBSD_NR_freebsd7___semctv 220
#define TARGET_FREEBSD_NR_semget 221
#define TARGET_FREEBSD_NR_semop 222
#define TARGET_FREEBSD_NR_freebsd7_msgctv 224
#define TARGET_FREEBSD_NR_msgget 225
#define TARGET_FREEBSD_NR_msgsnd 226
#define TARGET_FREEBSD_NR_msgrcv 227
#define TARGET_FREEBSD_NR_shmat 228
#define TARGET_FREEBSD_NR_freebsd7_shmctv 229
#define TARGET_FREEBSD_NR_shmdt 230
#define TARGET_FREEBSD_NR_shmget 231
#define TARGET_FREEBSD_NR_clock_gettime 232
#define TARGET_FREEBSD_NR_clock_settime 233
#define TARGET_FREEBSD_NR_clock_getres 234
#define TARGET_FREEBSD_NR_ktimer_create 235
#define TARGET_FREEBSD_NR_ktimer_delete 236
#define TARGET_FREEBSD_NR_ktimer_settime 237
#define TARGET_FREEBSD_NR_ktimer_gettime 238
#define TARGET_FREEBSD_NR_ktimer_getoverrun 239
#define TARGET_FREEBSD_NR_nanosleep 240
#define TARGET_FREEBSD_NR_ntp_gettime 248
#define TARGET_FREEBSD_NR_minherit 250
#define TARGET_FREEBSD_NR_rfork 251
#define TARGET_FREEBSD_NR_openbsd_poll 252
#define TARGET_FREEBSD_NR_issetugid 253
#define TARGET_FREEBSD_NR_lchown 254
```
#define TARGET_FREEBSD_NR_aio_read 255
#define TARGET_FREEBSD_NR_aio_write 256
#define TARGET_FREEBSD_NR_lio_listio 257
#define TARGET_FREEBSD_NR_getdents 272
#define TARGET_FREEBSD_NR_lchmod 274
#define TARGET_FREEBSD_NR_netbsd_lchown 275
#define TARGET_FREEBSD_NR_lutimes 276
#define TARGET_FREEBSD_NR_netbsd_msync 277
#define TARGET_FREEBSD_NR_nstat 278
#define TARGET_FREEBSD_NR_nfstat 279
#define TARGET_FREEBSD_NR_nlstat 280
#define TARGET_FREEBSD_NR_preadv 289
#define TARGET_FREEBSD_NR_pwritev 290
#define TARGET_FREEBSD_NR_freebsd4_fhstatfs 297
#define TARGET_FREEBSD_NR_fhopen 298
#define TARGET_FREEBSD_NR_fhstat 299
#define TARGET_FREEBSD_NR_modnext 300
#define TARGET_FREEBSD_NR_modstat 301
#define TARGET_FREEBSD_NR_modfnext 302
#define TARGET_FREEBSD_NR_modfnext 303
#define TARGET_FREEBSD_NR_kldload 304
#define TARGET_FREEBSD_NR_kldunload 305
#define TARGET_FREEBSD_NR_kldfind 306
#define TARGET_FREEBSD_NR_kldnext 307
#define TARGET_FREEBSD_NR_kldstat 308
#define TARGET_FREEBSD_NR_kldfirstmod 309
#define TARGET_FREEBSD_NR_getsid 310
#define TARGET_FREEBSD_NR_setresuid 311
#define TARGET_FREEBSD_NR_setresgid 312
/* 313 is obsolete signanosleep */
#define TARGET_FREEBSD_NR_aio_return 314
#define TARGET_FREEBSD_NR_aio_suspend 315
#define TARGET_FREEBSD_NR_aio_cancel 316
#define TARGET_FREEBSD_NR_aio_error 317
#define TARGET_FREEBSD_NR_oaio_read 318
#define TARGET_FREEBSD_NR_oaio_write 319
#define TARGET_FREEBSD_NR_olio_listio 320
#define TARGET_FREEBSD_NR_yield 321
/* 322 is obsolete thr_sleep */
/* 323 is obsolete thr_wakeup */
#define TARGET_FREEBSD_NR_mlockall 324
#define TARGET_FREEBSD_NR_munlockall 325
#define TARGET_FREEBSD_NR_getcwd 326
#define TARGET_FREEBSD_NR_sched_setparam 327
#define TARGET_FREEBSD_NR_sched_getparam 328
#define TARGET_FREEBSD_NR_sched_setscheduler 329
#define TARGET_FREEBSD_NR_sched_getscheduler 330
#define TARGET_FREEBSD_NR_sched_yield 331
#define TARGET_FREEBSD_NR_sched_get_priority_max 332
#define TARGET_FREEBSD_NR_sched_get_priority_min 333
#define TARGET_FREEBSD_NR_sched_rr_get_interval 334
#define TARGET_FREEBSD_NR_utrace 335
#define TARGET_FREEBSD_NR_freebsd4_sendfile 336
#define TARGET_FREEBSD_NR_kldsym 337
#define TARGET_FREEBSD_NR_jail 338
#define TARGET_FREEBSD_NR_nnpfs_syscall 339
#define TARGET_FREEBSD_NR_sigprocmask 340
#define TARGET_FREEBSD_NR_sigsuspend 341
#define TARGET_FREEBSD_NR_freebsd4_sigaction 342
#define TARGET_FREEBSD_NR_sigpending 343
#define TARGET_FREEBSD_NR_freebsd4_sigreturn 344
#define TARGET_FREEBSD_NR_sigtimedwait 345
#define TARGET_FREEBSD_NR_sigtimedwait 346
#define TARGET_FREEBSD_NR_sigtimedwait 347
#define TARGET_FREEBSD_NR_sigtimedwait 348
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#define TARGET_FREEBSD_NR_sigtimedwait 354
#define TARGET_FREEBSD_NR_sigtimedwait 355
#define TARGET_FREEBSD_NR_kqueue 356
#define TARGET_FREEBSD_NR_kevent 357
#define TARGET_FREEBSD_NR_extattr_set_fd 358
#define TARGET_FREEBSD_NR_extattr_set_fd 359
#define TARGET_FREEBSD_NR_extattr_set_fd 360
#define TARGET_FREEBSD_NR_extattr_set_fd 361
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#define TARGET_FREEBSD_NR_extattr_set_fd 376
#define TARGET_FREEBSD_NR_extattr_set_fd 377
#define TARGET_FREEBSD_NR_nmount 378
#define TARGET_FREEBSD_NR_kqueue 379
#define TARGET_FREEBSD_NR_kqueue 380
#define TARGET_FREEBSD_NR_kqueue 381
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#define TARGET_FREEBSD_NR_kqueue 389
#define TARGET_FREEBSD_NR_kqueue 390
#define TARGET_FREEBSD_NR_lchflags 391
#define TARGET_FREEBSD_NR_uuidgen 392
#define TARGET_FREEBSD_NR_sendfile 393
#define TARGET_FREEBSD_NR_mac_syscall 394
#define TARGET_FREEBSD_NR_getfsstat 395
#define TARGET_FREEBSD_NR_statfs 396
#define TARGET_FREEBSD_NR_fhstatfs 397
#define TARGET_FREEBSD_NR_ksem_close 400
#define TARGET_FREEBSD_NR_ksem_post 401
#define TARGET_FREEBSD_NR_ksem_wait 402
#define TARGET_FREEBSD_NR_ksem_trywait 403
#define TARGET_FREEBSD_NR_ksem_init 404
#define TARGET_FREEBSD_NR_ksem_open 405
#define TARGET_FREEBSD_NR_ksem_unlink 406
#define TARGET_FREEBSD_NR_ksem_getvalue 407
#define TARGET_FREEBSD_NR_ksem_destroy 408
#define TARGET_FREEBSD_NR___mac_get_pid 409
#define TARGET_FREEBSD_NR___mac_get_link 410
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/*
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Index: debug.c

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- debug.c 7 Sep 2007 10:01:21 -0000 1.1
+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3
@@ -52,7 +52,11 @@
void X86EMU_trace_regs (void)
{
    if (DEBUG_TRACE()) {
-x86emu_dump_regs();
+if (M.x86.mode & (SYSMODE_PREFIX_DATA | SYSMODE_PREFIX_ADDR)) {
+    x86emu_dump_xregs();
+} else {
+    x86emu_dump_regs();
+}
    if (DEBUG_DECODE() && ! DEBUG_DECODE_NOPRINT()) {
printk("%04x:%04x ",M.x86.saved_cs, M.x86.saved_ip);
@@ -185,7 +189,7 @@
    printk("%-20s",buf1);
+    printk("%-20s ",buf1);
}

static void print_decoded_instruction (void)
Index: ops2.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- ops2.c	7 Sep 2007 10:01:21 -0000	1.1
+++ ops2.c	20 Mar 2008 15:48:34 -0000	1.3
@@ -149,8 +149,69 @@
target += (s16) M.x86.R_IP;
    if (cond)
+    if (cond) {
        M.x86.R_IP = (u16)target;
+        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+    }
+    DECODE_CLEAR_SEGOVR();
+    END_OF_INSTR();
+}
+/**********************************************************************************/
+REMARKS:
+Handles opcode 0x0f,0xC8-0xCF
+*********************************************************************************/
+s32 x86emu_bswap(s32 reg)
+{
+    // perform the byte swap
+    s32 temp = reg;
+    reg = (temp & 0xFF000000) >> 24;
+    reg |= (temp & 0xFF0000) >> 8;
+    reg |= (temp & 0xFF00) << 8;
+    reg |= (temp & 0xFF) << 24;
+    return reg;
+}
+
+void x86emuOp2_bswap(u8 op2)
+ /* byte swap 32 bit register */
+ START_OF_INSTR();
+ DECODE_PRINTF("BSWAP\t");
+ switch (op2) {
+   case 0xc8:
+     DECODE_PRINTF("EAX\n");
+     M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
+     break;
+   case 0xc9:
+     DECODE_PRINTF("ECX\n");
+     M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
+     break;
+   case 0xca:
+     DECODE_PRINTF("EDX\n");
+     M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
+     break;
+   case 0xcb:
+     DECODE_PRINTF("EBX\n");
+     M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
+     break;
+   case 0xcc:
+     DECODE_PRINTF("ESP\n");
+     M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
+     break;
+   case 0xcd:
+     DECODE_PRINTF("EBP\n");
+     M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
+     break;
+   case 0xce:
+     DECODE_PRINTF("ESI\n");
+     M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
+     break;
+   case 0xcf:
+     DECODE_PRINTF("EDI\n");
+     M.x86.R_EDI = x86emu_bswap(M.x86.R_EDI);
+     break;
+ }
+ TRACE_AND_STEP();
+ DECODE_CLEAR_SEGOVR();
+ END_OF_INSTR();
}
/*  0xcb */ x86emuOp2_illegal_op, /* TODO: bswap */
/*  0xcc */ x86emuOp2_illegal_op, /* TODO: bswap */
/*  0xcd */ x86emuOp2_illegal_op, /* TODO: bswap */
/*  0xce */ x86emuOp2_illegal_op, /* TODO: bswap */
/*  0xcf */ x86emuOp2_illegal_op, /* TODO: bswap */
+/*  0xc8 */ x86emuOp2_bswap,
+/*  0xc9 */ x86emuOp2_bswap,
+/*  0xca */ x86emuOp2_bswap,
+/*  0xcb */ x86emuOp2_bswap,
+/*  0xcc */ x86emuOp2_bswap,
+/*  0xcd */ x86emuOp2_bswap,
+/*  0xce */ x86emuOp2_bswap,
+/*  0xcf */ x86emuOp2_bswap,
/*  0xd0 */ x86emuOp2_illegal_op,
/*  0xd1 */ x86emuOp2_illegal_op,
Index: ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v
retrieving revision 1.1
diff -u -u -r1.1 ops.c
--- ops.c	7 Sep 2007 10:01:21 -0000	1.1
+++ ops.c	20 Mar 2008 16:52:00 -0000
@@ -1061,7 +1061,11 @@
imm = (s8)fetch_byte_imm();
    DECODE_PRINTF2("PUSH\t%d\n", imm);
    TRACE_AND_STEP();
-    push_word(imm);
+    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+        push_long(imm);
+    } else {
+        push_word(imm);
+    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}@@ -1256,8 +1260,10 @@
target = (u16)(M.x86.R_IP + (s16)offset);
    DECODE_PRINTF2("%x\n", target);
    TRACE_AND_STEP();
-    if (cond)
+    if (cond) {
+        M.x86.R_IP = target;
+        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
count = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    count = M.x86.R_CX;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
    if (M.x86.mode & SYSMODE_32BIT_REP)
        M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
    while (count--) {
        /* move them until CX is ZERO. */
        count = M.x86.R_CX;
        if (M.x86.intr & INTR_HALTED)
            break;
        store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
        M.x86.R_SI += inc;
        M.x86.R_DI += inc;
        if (M.x86.intr & INTR_HALTED)
            break;
    }
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
    if (M.x86.intr & INTR_HALTED)
        break;
}
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
M.x86.R_SI += inc;
M.x86.R_DI += inc;
if (M.x86.intr & INTR_HALTED)
    break;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* REPE */
    - /* move them until CX is ZERO. */
    - while (M.x86.R_CX != 0) {
        + /* move them until (E)CX is ZERO. */
        + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            val1 = fetch_data_byte(M.x86.R_SI);
            val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_byte(val1, val2);
            - M.x86.R_CX -= 1;
            + if (M.x86.mode & SYSMODE_32BIT_REP)
                - M.x86.R_CX -= 1;
                + M.x86.R_ECX -= 1;
                else
                    M.x86.R_CX -= 1;
                    M.x86.R_SI += inc;
                    M.x86.R_DI += inc;
                    if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
                    if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
                    + if (M.x86.intr & INTR_HALTED)
                        break;
                
                M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE PREFIX_REPNE);
            } else {
                @@ -2644,8 +2663,8 @@
                TRACE_AND_STEP();
                if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
                    /* REPE */
                    - /* move them until CX is ZERO. */
                    - while (M.x86.R_CX != 0) {
                        + /* move them until (E)CX is ZERO. */
                        + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
                            if (M.x86.mode & SYSMODE PREFIX_DATA) {
                                val1 = fetch_data_long(M.x86.R_SI);
                                val2 = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                                @@ -2655,11 +2674,16 @@
                                    val2 = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
                                    cmp_word((u16)val1, (u16)val2);
                                }
                                - M.x86.R_CX -= 1;
                                + if (M.x86.mode & SYSMODE_32BIT_REP)
                                    + M.x86.R_ECX -= 1;
                                    else
                                        + M.x86.R_CX -= 1;
                                        M.x86.R_SI += inc;
                                        M.x86.R_DI += inc;
                                        if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
                                        if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
                                        + if (M.x86.intr & INTR_HALTED)
                                            break;
                                        
                                @@ -2655,11 +2674,16 @@
                                    val2 = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
                                    cmp_word((u16)val1, (u16)val2);
                                }
                                - M.x86.R_CX -= 1;
                                + if (M.x86.mode & SYSMODE_32BIT_REP)
                                    + M.x86.R_ECX -= 1;
                                    else
                                        + M.x86.R_CX -= 1;
                                        M.x86.R_SI += inc;
                                        M.x86.R_DI += inc;
                                        if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
                                        if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
                                        + if (M.x86.intr & INTR_HALTED)
+ break;

}    
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2741,11 +2765,16 @@
TRACE_AND_STEP();
} else {
@@ -2783,9 +2812,11 @@
count = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-    /* move them until CX is ZERO. */
-    while (M.x86.R_CX != 0) { 
+    /* move them until (E)CX is ZERO. */
+    while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
-        M.x86.R_CX -= 1;
+        if (M.x86.mode & SYSMODE_32BIT_REP)
+            M.x86.R_ECX -= 1;
+        else
+            M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
+        if (M.x86.intr & INTR_HALTED)
+            break;
    }
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2817,11 +2850,16 @@
    store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
}    
M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
}    
DECODECLEARSEGовор();
ENDOFINSTR();
@@ -2817,11 +2850,16 @@
inc = 1;
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    /* move them until CX is ZERO. */
    while (M.x86.R_CX != 0) {
        /* move them until (E)CX is ZERO. */
        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
            M.x86.R_CX -= 1;
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
            M.x86.R_SI += inc;
            if (M.x86.intr & INTR_HALTED)
                break;
        }
    }
}

if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
    /* move them until CX is ZERO. */
    count = 1;
    while (count--) {
        M.x86.R_AX = fetch_data_word(M.x86.R_SI);
    }
}

DECODE_CLEAR_SEGOVR();
END_OF_INSTR();

inc = 1;
if (M.x86.mode & SYSMODE_PREFIX_REPE) {
    /* REPE */
    /* move them until CX is ZERO. */
    while (M.x86.R_CX != 0) {
    }
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
+   val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
+   cmp_byte(M.x86.R_AL, val2);
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+   else
+       M.x86.R_CX -= 1;
+   M.x86.R_DI += inc;
+   if (ACCESS_FLAG(F_ZF) == 0)
+       break;
+   if (M.x86.intr & INTR_HALTED)
+       break;
+ }
+ M.x86.mode &= ~SYSMODE_PREFIX_REPE;
+ } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
+ /* REPNE */
+ - /* move them until CX is ZERO. */
+ - while (M.x86.R_CX != 0) {
+ + /* move them until (E)CX is ZERO. */
+ + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
+   val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
+   cmp_byte(M.x86.R_AL, val2);
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+   else
+       M.x86.R_CX -= 1;
+   M.x86.R_DI += inc;
+   if (ACCESS_FLAG(F_ZF))
+       break; /* zero flag set means equal */
+   if (M.x86.intr & INTR_HALTED)
+       break;
+ }
+ M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
+ } else {
+ @@ -2951,8 +3003,8 @@
+ TRACE_AND_STEP();
+ if (M.x86.mode & SYSMODE_PREFIX_REPE) {
+ /* REPE */
+ - /* move them until CX is ZERO. */
+ - while (M.x86.R_CX != 0) {
+ + /* move them until (E)CX is ZERO. */
+ + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
+   if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+     val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
+     cmp_long(M.x86.R_EAX, val);
@@ -2960,16 +3012,21 @@
            M.x86.R_CX -= 1;
        } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
            if (M.x86.mode & SYSMODE_32BIT_REP)
                M.x86.R_ECX -= 1;
            else
                M.x86.R_CX -= 1;
        }
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF) == 0)
            break;
        if (M.x86.intr & INTR_HALTED)
            break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */
    - /* move them until CX is ZERO. */
    - while (M.x86.R_CX != 0) {
        /* move them until (E)CX is ZERO. */
        + while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            if (M.x86.mode & SYSMODE_PREFIX_DATA) {
                val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_long(M.x86.R_EAX, val);
            }
            M.x86.R_CX -= 1;
        } else if (M.x86.mode & SYSMODE_32BIT_REP)
            M.x86.R_ECX -= 1;
        else
            M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF))
            break; /* zero flag set means equal */
        if (M.x86.intr & INTR_HALTED)
            break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
    @@ -2977,10 +3300,15 @@
        val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_word(M.x86.R_AX, (u16)val);
    }
    - M.x86.R_CX -= 1;
    + if (M.x86.mode & SYSMODE_32BIT_REP)
    +     M.x86.R_ECX -= 1;
    + else
    +     M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF))
        break; /* zero flag set means equal */
    + if (M.x86.intr & INTR_HALTED)
    +     break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else {
    @@ -3238,9 +3300,9 @@
        DECODE_PRINTF("RET\t");
       imm = fetch_word_imm();
        DECODE_PRINTF2("%x\n", imm);
-RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
    TRACE_AND_STEP();
}
M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3254,9 +3316,9 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RETn");
-RETURN_TRACE("RET",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3471,10 +3533,10 @@
DECODE_PRINTF("RETF");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3488,10 +3550,10 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RETF\n");
-RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -4020,8 +4082,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-    if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF)) /* CX != 0 and !ZF */
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.R_ECX -= 1;
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) & M.x86.R_ECX : M.x86.R_CX) != 0 & ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and ZF */
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4041,8 +4106,11 @@
ip += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF)) /* CX != 0 and ZF */
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) & M.x86.R_ECX : M.x86.R_CX) != 0 & ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and ZF */
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4062,8 +4130,11 @@
ip += (s16) M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0)
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) & M.x86.R_ECX : M.x86.R_CX) != 0) /* (E)CX != 0 */
M.x86.R_IP = ip;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
@@ -4085,8 +4156,10 @@
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%x\n", target);
TRACE_AND_STEP();
- if (M.x86.R_CX == 0)
+ if (M.x86.R_CX == 0) {
+ M.x86.R_IP = target;
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+ }
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}
@@ -4213,6 +4286,7 @@
ip = (s16)fetch_word_imm();
ip += (s16)M.x86.R_IP;
DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, ip, " NEAR ");
TRACE_AND_STEP();
M.x86.R_IP = (u16)ip;
DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
    cs = fetch_word_imm();
    DECODE_PRINTF2("%04x:\", cs);
    DECODE_PRINTF2("%04x\n", ip);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
TRACE_AND_STEP();
M.x86.R_IP = ip;
M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
offset = (s8)fetch_byte_imm();
target = (u16)(M.x86.R_IP + offset);
DECODE_PRINTF2("%04x\n", target);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
TRACE_AND_STEP();
M.x86.R_IP = target;
DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
DECODE_PRINTF("REPNE\n");
TRACE_AND_STEP();
M.x86.mode |= SYSMODE_PREFIX_REPNE;
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}@@ -4371,6 +4449,8 @@
DECODE_PRINTF("REPE\n");
TRACE_AND_STEP();
M.x86.mode |= SYSMODE_PREFIX_REPE;
+    if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+        M.x86.mode |= SYSMODE_32BIT_REP;
DECODE_CLEAR_SEGOVR();
END_OF_INSTR();
}@@ -5013,12 +5093,14 @@
break;
case 4: /* jmp word ptr ... */
destval = fetch_data_word(destoffset);
+    JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
TRACE_AND_STEP();
M.x86.R_IP = destval;
break;
case 5: /* jmp far ptr ... */
destval = fetch_data_word(destoffset);
destval2 = fetch_data_word(destoffset + 2);
        JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
        TRACE_AND_STEP();
M.x86.R_IP = destval;
M.x86.R_CS = destval2;
Index: prim_ops.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim_ops.c,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- prim_ops.c 7 Sep 2007 10:01:21 -0000 1.1
+++ prim_ops.c 16 Jan 2008 14:18:15 -0000 1.3
@@ -1921,7 +1921,7 @@
void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)
{
    #ifdef __HAS_LONG_LONG__
    -    s64 res = (s64)d * (s64)s;
    +    s64 res = (s64)(s32)d * (s64)(s32)s;
    *
    *res_lo = (u32)res;
    *res_hi = (u32)(res >> 32);
@@ -2013,7 +2013,7 @@
void mul_long(u32 s)
{
    #ifdef __HAS_LONG_LONG__
    -    u64 res = (u32)M.x86.R_EAX * (u32)s;
    +    u64 res = (u64)M.x86.R_EAX * s;
    M.x86.R_EAX = (u32)res;
    M.x86.R_EDX = (u32)(res >> 32);
@@ -2312,16 +2312,15 @@
}  
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) { 
    /* dont care whether REPE or REPNE */
    -    /* in until CX is ZERO. */
    -    u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
    +    /* in until (E)CX is ZERO. */
    +    u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
        M.x86.R_ECX : M.x86.R_CX);
        while (count--) {
            single_in(size);
            M.x86.R_DI += inc;
M.x86.R_CX = 0;
- if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+ if (M.x86.mode & SYSMODE_32BIT_REP) {
    M.x86.R_ECX = 0;
}
M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
@@ -2355,15 +2354,15 @@
    }
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* out until CX is ZERO. */
-        u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+        /* out until (E)CX is ZERO. */
+        u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
            M.x86.R_ECX : M.x86.R_CX);
        while (count--) {
            single_out(size);
            M.x86.R_SI += inc;
        }
    M.x86.R_CX = 0;
-    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+    if (M.x86.mode & SYSMODE_32BIT_REP) {
        M.x86.R_ECX = 0;
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
Index: sys.c
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/sys.c,v
retrieving revision 1.1
retrieving revision 1.2
diff -u -u -r1.1 -r1.2
--- sys.c7 Sep 2007 10:01:21 -0000
+++ sys.c7 Sep 2007 10:03:13 -0000
@@ -45,11 +45,6 @@
#include <x86emu/regs.h>
#include "debug.h"
#include "prim_ops.h"
-#ifdef LINUXBIOS_VERSION
-#include "io.h"
-#else
-#include <sys/io.h>
-#endif

+#ifdef IN_MODULE
#include "xf86_ansic.h"
@@ -220,7 +215,7 @@

DB(if (DEBUG_IO_TRACE()))
printk("inb %#04x \n", addr);
return inb(addr);
+return 0;
}

/**********************************************************
@@ -235,7 +230,7 @@
{
DB(if (DEBUG_IO_TRACE()))
printk("inw %#04x \n", addr);
-return inw(addr);
+return 0;
}
/**********************************************************
@@ -250,7 +245,7 @@
{
DB(if (DEBUG_IO_TRACE()))
printk("inl %#04x \n", addr);
-return inl(addr);
+return 0;
}
/**********************************************************
@@ -264,7 +259,6 @@
{
DB(if (DEBUG_IO_TRACE()))
printk("outb %#02x -> %#04x \n", val, addr);
-outb(val, addr);
return;
}
@@ -279,7 +273,6 @@
{
DB(if (DEBUG_IO_TRACE()))
printk("outw %#04x -> %#04x \n", val, addr);
-outw(val, addr);
return;
}
@@ -295,7 +288,6 @@
DB(if (DEBUG_IO_TRACE()))
printk("outl %#08x -> %#04x \n", val, addr);
-outl(val, addr);
return;
}
void X86EMU_setMemBase(void *base, size_t size)
{
    M.mem_base = (unsigned long) base;
    M.mem_size = size;
}

Index: include/x86emu/debug.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/debug.h	7 Sep 2007 10:01:21 -0000	1.1
+++ include/x86emu/debug.h	20 Mar 2008 15:25:27 -0000	1.4
@@ -40,8 +40,6 @@
# define __X86EMU_DEBUG_H
#define __X86EMU_DEBUG_H

-//define DEBUG 0
-#undef DEBUG
*/---------------------- Macros and type definitions ----------------------*/

/* checks to be enabled for "runtime" */
@@ -78,6 +76,8 @@
#define DEBUG_SYSINT()        (M.x86.debug & DEBUG_SYSINT_F)
#define DEBUG_TRACECALL()     (M.x86.debug & DEBUG_TRACECALL_F)
+# define DEBUG_TRACECALLREGS() (M.x86.debug & DEBUG_TRACECALL_REGS_F)
 +#+ define DEBUG_TRACEJMP()       (M.x86.debug & DEBUG_TRACEJMP_F)
 +#+ define DEBUG_TRACEJMPREGS()   (M.x86.debug & DEBUG_TRACEJMP_REGS_F)
#define DEBUG_SYS()           (M.x86.debug & DEBUG_SYS_F)
#define DEBUG_MEM_TRACE()     (M.x86.debug & DEBUG_MEM_TRACE_F)
#define DEBUG_IO_TRACE()      (M.x86.debug & DEBUG_IO_TRACE_F)
@@ -96,6 +96,8 @@
#define DEBUG_SYSINT()        0
#define DEBUG_TRACECALL()     0
#define DEBUG_TRACECALLREGS() 0
 +#+ define DEBUG_TRACEJMP()       0
 +#+ define DEBUG_TRACEJMPREGS()   0
#define DEBUG_SYS()           0
#define DEBUG_MEM_TRACE()     0
#define DEBUG_IO_TRACE()      0
@@ -169,14 +171,20 @@
x86emu_dump_regs();
       \  
    if (DEBUG_TRACECALL())
    printk("%04x:%04x: CALL %s%04x:%04x in", u , v, s, w, x);
-# define RETURN_TRACE(n,u,v)                                    
+# define RETURN_TRACE(u,v,w,x,s)                                    
if (DEBUG_TRACECALLREGS())
   x86emu_dump_regs();
   if (DEBUG_TRACECALL())
   -printk("%04x:%04x: %s
",u,v,n);
+printk("%04x:%04x: RET %s %04x:%04x
",u,v,s,w,x);
+# define JMP_TRACE(u,v,w,x,s)                                 
+   if (DEBUG_TRACEJMPREGS())
   +      x86emu_dump_regs();
   +   if (DEBUG_TRACEJMP())
   +      printk("%04x:%04x: JMP %s%04x:%04x
", u , v, s, w, x);
#else
  # define CALL_TRACE(u,v,w,x,s)
-# define RETURN_TRACE(n,u,v)
+  # define RETURN_TRACE(u,v,w,x,s)
+  # define  JMP_TRACE(u,v,w,x,s)
#endif

#ifdef DEBUG
Index: include/x86emu/regs.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-license/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h 7 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/regs.h 15 Jan 2008 13:46:40 -0000 1.4
@@ -231,6 +231,9 @@
   #define SYSMODE_PREFIX_REPNE    0x00000100
   #define SYSMODE_PREFIX_DATA     0x00000200
   #define SYSMODE_PREFIX_ADDR     0x00000400
+//phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+//the 32bit ECX register as or the 16bit CX register as count register
+   #define SYSMODE_32BIT_REP       0x00000800
   #define  INTR_SYNCH           0x1
   #define  INTR_ASYNCH          0x2
```
@@ -274,9 +278,9 @@
 /*
   u32                         mode;
   volatile int                intr; /* mask of pending interrupts */
-  int                         debug;
+#ifdef DEBUG
-  int                         check;
+  int                         check;
   u16                         saved_ip;
   u16                         saved_cs;
   int                         enc_pos;
Index: include/x86emu/x86emu.h
===================================================================
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/x86emu.h,v
retrieving revision 1.1
retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- include/x86emu/x86emu.h 7 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/x86emu.h 19 Oct 2007 08:42:15 -0000 1.3
@@ -47,6 +47,7 @@
 #include <console.h>
 #define printk(x...) printk(BIOS_DEBUG, x)
 #else
+  #include <stdio.h>
 #define printk printf
 #endif
@@ -189,6 +181,8 @@
 #define DEBUG_TRACECALL_REGS_F   0x004000
 #define DEBUG_DECODE_NOPRINT_F   0x008000
 #define DEBUG_SAVE_IP_CS_F       0x010000
+#define DEBUG_TRACEJMP_F         0x020000
+#define DEBUG_TRACEJMP_REGS_F    0x040000
 #define DEBUG_SYS_F              (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)
void X86EMU_trace_regs(void);
@@ -200,5 +194,4 @@
 #ifdef __cplusplus
 }                       /* End of "C" linkage for C++ */
 #endif
-#endif /* __X86EMU_X86EMU_H */

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{ TARGET_FREEBSD_NR_mlockall, "mlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mmap, "mmap", NULL, NULL, print_syscall_ret_addr },
{ TARGET_FREEBSD_NR_mount, "mount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mprotect, "mprotect", "%s(%#x,%#x,%d)", NULL, NULL },
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{ TARGET_FREEBSD_NR_mprotect, "mprotect", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgctl, "msgctl", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_msgrcv, "msgrcv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR msgsnd, "msgsnd", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msync, "msync", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munmap, "munmap", "%s(%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_nanosleep, "nanosleep", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_nfssvc, "nfssvc", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_open, "open", "%s("%s",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_openat, "openat", "%s(%d, "%s",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_pathconf, "pathconf", "%s("%s", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_pipe, "pipe", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_poll, "poll", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pread, "pread", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_preadv, "preadv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_prof, "prof", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ptrace, "ptrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwrite, "pwrite", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwritev, "pwritev", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_quotactl, "quotactl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_read, "read", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readlink, "readlink", "%s("%s",%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readv, "readv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_reboot, "reboot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvfrom, "recvfrom", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvmsg, "recvmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rename, "rename", "%s("%s", "%s")", NULL, NULL },
{ TARGET_FREEBSD_NR_revoke, "revoke", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rfork, "rfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rmdir, "rmdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rtprio_thread, "rtprio_thread", "%s(%d,%d,%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sbrk, "sbrk", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_sendto, "sendto", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_seteuid, "seteuid", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_setgroups, "setgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setitimer, "setitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setlogin, "setlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpgid, "setpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpriority, "setpriority", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setregid, "setregid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresgid, "setresgid", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_setreuid, "setreuid", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_shutdown, "shutdown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaction, "sigaction", NULL, NULL, NULL },
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{ TARGET_FREEBSD_NR_socketpair, "socketpair", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sstk, "sstk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_stat, "stat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_statfs, "statfs", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_symlink, "symlink", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sync, "sync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sysarch, "sysarch", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_syscall, "syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_create, "thr_create", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_exit, "thr_exit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill, "thr_kill", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill2, "thr_kill2", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_new, "thr_new", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_set_name, "thr_set_name", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_suspend, "thr_suspend", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_truncate, "truncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_umask, "umask", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_unlink, "unlink", NULL, NULL, NULL },
{ TARGET_FREEBSD_NRUnmount, "unmount", NULL, NULL, NULL },

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#!/bin/bash

set -x
set -e

SVN=`which svn`
PATCH=`which patch`
DIFF_FILE=./x86emu_changes.diff

# check weather svn, patch, ... is available...

if [ ! -x $SVN ]; then
echo "subversion executable not found!"
exit -1
fi
if [ ! -x $PATCH ]; then
echo "patch executable not found!"
exit -1
fi
if [ ! -r $DIFF_FILE ]; then
echo "diff file $DIFF_FILE not found!"
exit -1
fi

# download the x86emu sources from LinuxBIOS subversion

#revision known to work...
REV=496
echo "Checking out x86emu from coreboot-v3 repository revision $REV"
$SVN co svn://coreboot.org/repository/coreboot-v3/util/x86emu -r $REV

echo "Copying files..."

mkdir -p include/x86emu
cp -v x86emu/x86emu/*.c .
cp -v x86emu/x86emu/*.h include/x86emu
cp -v x86emu/include/x86emu/*.h include/x86emu

echo "Removing checkout subversion directory..."

rm -rf x86emu

echo "Patching files..."

$PATCH -p0 < x86emu_changes.diff

echo "done"
exit 0

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

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

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(For example, a function in a library to compute square roots has...
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ifndef TOP
TOP = $(shell while ! test -e make.rules; do cd .. ; done; pwd)
export TOP
endif
include $(TOP)/make.rules

ROOTDIR ?= ../..

LDFLAGS=

ASFLAGS= -I./include -Wa,-mregnames

#NOTE: -DDDEBUG only needed for debugging/tracing...
CFLAGS= -UDEBUG -m64 -I. -I./include/x86emu \ 
-Is(TOP)/clients/net-sniff/include -Is(ROOTDIR)/include \ 
-Is(ROOTDIR)/lib/libc/include -O3 -nostdinc -fno-builtin \ 
-ffreestanding -Wall -Wno-unused

X86EMU_OBJS= debug.o decode.o fpu.o ops2.o ops.o prim_ops.o sys.o

%.o: %.S
 $(CC) $(ASFLAGS) -c -o $@  $^ 

%.o: %.c
 $(CC) $(CFLAGS) -c -o $@ $^ 

all: libx86emu.a

libx86emu.a: $(X86EMU_OBJS)
 $(AR) -rc $@ $^ 
 $(RANLIB) $@

clean:
 $(RM) *.o *.i *.s libx86emu.a

distclean: clean

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Stefan Reinauer

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ifndef TOP
    TOP = $(shell while ! test -e make.rules; do cd .. ; done; pwd)
endif
export TOP
include $(TOP)/make.rules

SUBDIRS=
ifeq ($(SNK_BIOSEMU_APPS), 1)
    SUBDIRS += x86emu
endif
CLEANSUBDIRS = $(SUBDIRS)

all :
    for subdir in $(SUBDIRS) ; do $(MAKE) -C $${subdir} || exit 1 ; done

# Common targets for all subdirectories:
clean distclean depend:
    for subdir in $(CLEANSUBDIRS) ; do $(MAKE) -C $${subdir} $@ ; done

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* @(#)mman.h 8.2 (Berkeley) 1/9/95
*/

#define TARGET_FREEBSD_MAP_RESERVED0080 0x0080 /* previously misimplemented MAP_INHERIT */
#define TARGET_FREEBSD_MAP_RESERVED0100 0x0100 /* previously unimplemented MAP_NOEXTEND */
#define TARGET_FREEBSD_MAP_STACK 0x0400 /* region grows down, like a stack */
#define TARGET_FREEBSD_MAP_NOSYNC 0x0800 /* page to but do not sync underlying file */
#define TARGET_FREEBSD_MAP_FLAGMASK 0x1ff7


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/*@(#)mman.h 8.2 (Berkeley) 1/9/95 */

#define TARGET_NETBSD_MAP_INHERIT 0x0080 /* region is retained after exec */
#define TARGET_NETBSD_MAP_TRYFIXED 0x0400 /* attempt hint address, even within break */
#define TARGET_NETBSD_MAP_WIRED 0x0800 /* mlock() mapping when it is established */
#define TARGET_NETBSD_MAP_STACK 0x2000 /* allocated from memory, swap space (stack) */
#define TARGET_NETBSD_MAP_FLAGMASK 0x3ff7

/* $NetBSD: mman.h,v 1.11 1995/03/26 20:24:23 jtc Exp $ */

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*/

#define TARGET_OPENBSD_MAP_INHERIT   0x0080 /* region is retained after exec */
#define TARGET_OPENBSD_MAP_NOEXTEND   0x0100 /* for MAP_FILE, don't change file size */
#define TARGET_OPENBSD_MAP_TRYFIXED   0x0400 /* attempt hint address, even within heap */

#define TARGET_OPENBSD_MAP_FLAGMASK   0x17f7
#define TARGET_BSD_MAP_FLAGMASK       0x3ff7

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/* $NetBSD: syscall.h,v 1.215 2008/06/17 16:07:57 tsutsui Exp $ */

/*
* System call numbers.
*
* created fromNetBSD: syscalls.master,v 1.204 2008/06/17 16:05:23 tsutsui Exp
*/

#define TARGET_NETBSD_NR_syscall     0
#define TARGET_NETBSD_NR_exit        1
#define TARGET_NETBSD_NR_fork        2
#define TARGET_NETBSD_NR_read        3
#define TARGET_NETBSD_NR_write       4
#define TARGET_NETBSD_NR_open        5
#define TARGET_NETBSD_NR_close       6
#define TARGET_NETBSD_NR_wait4       7
#define TARGET_NETBSD_NR_compat_43_ocreat   8
#define TARGET_NETBSD_NR_link        9
#define TARGET_NETBSD_NR_unlink      10
#define TARGET_NETBSD_NR_chdir       12
#define TARGET_NETBSD_NR_fchdir      13
#define TARGET_NETBSD_NR_mknod       14
#define TARGET_NETBSD_NR_chmod       15
#define TARGET_NETBSD_NR_chown 16
#define TARGET_NETBSD_NR_break 17
#define TARGET_NETBSD_NR_compat_20_getfsstat 18
#define TARGET_NETBSD_NR_compat_43_olseek 19
#define TARGET_NETBSD_NR_getpid 20
#define TARGET_NETBSD_NR_getpid 20
#define TARGET_NETBSD_NR_compat_40_mount 21
#define TARGET_NETBSD_NRUnmount 22
#define TARGET_NETBSD_NR_setuid 23
#define TARGET_NETBSD_NR_getuid 24
#define TARGET_NETBSD_NR_getuid 24
#define TARGET_NETBSD_NR_geteuid 25
#define TARGET_NETBSD_NR_ptrace 26
#define TARGET_NETBSD_NR_recvmsg 27
#define TARGET_NETBSD_NR_sendmsg 28
#define TARGET_NETBSD_NR_recvfrom 29
#define TARGET_NETBSD_NR_accept 30
#define TARGET_NETBSD_NR_getpeername 31
#define TARGET_NETBSD_NR_getsockname 32
#define TARGET_NETBSD_NR_access 33
#define TARGET_NETBSD_NR_chflags 34
#define TARGET_NETBSD_NR_fchflags 35
#define TARGET_NETBSD_NR_sync 36
#define TARGET_NETBSD_NR_kill 37
#define TARGET_NETBSD_NR_compat_43_stat43 38
#define TARGET_NETBSD_NR_getppid 39
#define TARGET_NETBSD_NR_compat_43_lstat43 40
#define TARGET_NETBSD_NR_dup 41
#define TARGET_NETBSD_NR_pipe 42
#define TARGET_NETBSD_NR_getegid 43
#define TARGET_NETBSD_NR_profil 44
#define TARGET_NETBSD_NR_ktrace 45
#define TARGET_NETBSD_NR_compat_13_sigaction13 46
#define TARGET_NETBSD_NR_getgid 47
#define TARGET_NETBSD_NR_getgid 47
#define TARGET_NETBSD_NR_compat_13_sigpending13 48
#define TARGET_NETBSD_NR_compat_13_sigaltstack13 49
#define TARGET_NETBSD_NR_ioctl 50
#define TARGET_NETBSD_NR_compat_12_oreboot 51
#define TARGET_NETBSD_NR_revoke 52
#define TARGET_NETBSD_NR_symlink 53
#define TARGET_NETBSD_NR_readlink 54
#define TARGET_NETBSD_NR_execve 55
#define TARGET_NETBSD_NR_umask 56
#define TARGET_NETBSD_NR_chroot 61
#define TARGET_NETBSD_NR_compat_43_fstat43 62
#define TARGET_NETBSD_NR_compat_43_ogetkerninfo 63
#define TARGET_NETBSD_NR_compat_43_ogetpagesize 64
#define TARGET_NETBSD_NR_compat_12_msync 65
#define TARGET_NETBSD_NR_vfork 66
#define TARGET_NETBSD_NR_sbrk 69
#define TARGET_NETBSD_NR_sstk 70
#define TARGET_NETBSD_NR_compat_43_onmmap 71
#define TARGET_NETBSD_NR_vadvise 72
#define TARGET_NETBSD_NR_munmap 73
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#define TARGET_NETBSD_NR_madvise 75
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#define TARGET_NETBSD_NR_getgroups 79
#define TARGET_NETBSD_NR_setgroups 80
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#define TARGET_NETBSD_NR_setpgid 82
#define TARGET_NETBSD_NR_setitimer 83
#define TARGET_NETBSD_NR_compat_43_owait 84
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#define TARGET_NETBSD_NR_getitimer 86
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#define TARGET_NETBSD_NR_fcntl 92
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#define TARGET_NETBSD_NR_compat_43_accept 99
#define TARGET_NETBSD_NR_getpriority 100
#define TARGET_NETBSD_NR_compat_43_osend 101
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#define TARGET_NETBSD_NR_compat_13_sigreturn13 103
#define TARGET_NETBSD_NR_bind 104
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#define TARGET_NETBSD_NR_compat_43_osigvec 108
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#define TARGET_NETBSD_NR_fchmod       124
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#define TARGET_NETBSD_NR_rename       128
#define TARGET_NETBSD_NR_compat_43_otruncate 129
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#define TARGET_NETBSD_NR_flock        131
#define TARGET_NETBSD_NR_mkdir        132
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#define TARGET_NETBSD_NR_rmdir        137
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#define TARGET_NETBSD_NR_compat_43_ogethostid     142
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#define TARGET_NETBSD_NR_extattrctl 360
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#define TARGET_NETBSD_NR_extattr_get_link 368
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#define TARGET_NETBSD_NR_fgetxattr 380
#define TARGET_NETBSD_NR_listxattr 381
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The End
---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.'
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

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

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#!/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 =~ /.*\b\d\b\d\d\d\d\b/;  # $year = 1987
  or die "Year not found in README copyright message '$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\d\d\d\b/;  # $year = 1987
  or die "Copyright statement not found in perl -v output '$output'";

  $year;
}

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1.290 dracut 033-502.el7
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1.291 zlib 1.2.8.dfsg 5
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1.292 cracklib 2.9.0-11.el7
1.292.1 Available under license:

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

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.
[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.=20

-- Nathan
=20
------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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

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

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

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

unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which IMO is just wrong. It isn't the place of a library to dictate to application writers what license they should be using. thus LGPL-2.1 enters to fill this void.

--mike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme you all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing you all come up with is fine by me.

-- Nathan

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

-----Original Message-----
From: cracklib-devel-bounces@li... [mailto:cracklib-devel-bounces@li...] On Behalf Of Mike Frysinger
Sent: Monday, October 01, 2007 8:33 PM
To: Neulinger, Nathan
Cc: cracklib-devel@li...; Alec Muffett
Subject: Re: [Cracklib-devel] cracklib license

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what
it was
released under. This wasn't actually a license change, just a
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not GPL-2 ... it was a modified artistic license ... I didn't notice the
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-mike

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

I am sympathetic. Guys, what do you reckon?

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

-a

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

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

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

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

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

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

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

Cheers,

Nalin

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

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

I am sympathetic. Guys, what do you reckon?

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

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

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

-mike

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

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

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

yes, go for it. thanks++

-a

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

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
In any case, I thank you both for working on sorting this out.

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

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

-----------

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

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

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

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

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

From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43) by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47]) by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTPT id 191Gxtrf020623 for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142]) by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTPT id 2C7734D311 for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3]) by rutherford.zen.co.uk with esmtpt (Exim 4.50) id 11OcX-0004Qt-6L for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0aftp1f2dd471059ff9a4@mail.gmail.com>
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:

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

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

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

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.
[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=20

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.

-- Nathan

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

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

Attachments: Message as HTML

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

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

unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. it isn't the place of a library to dictate to application writes what license they should be using.

thus LGPL-2.1 enters to fill this void.

Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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

-- Nathan

Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216
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thus LGPL-2.1 enters to fill this void.

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

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

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gm...> - 2007-10-02 15:04

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

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.
Devin
--
If it's sinful, it's more fun.

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

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27
Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small

Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.754141
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I am sympathetic. Guys, what do you reckon?

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

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

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

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

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

-mike

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

>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
>
> yes. go for it. thanks++

-a

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

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
>
> yes. go for it. thanks++
Nathan Neulinger is the only one who can actually make said change ...

-mike

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

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

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

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

____________________________
From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.3790.3959);
   Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
   by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
   by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623
   for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
   by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
   for <nneul@neulinger.org>; Mon, 01 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
   by rutherford.zen.co.uk with esmtp (Exim 4.50)
   id 1IcOcX-0004Qt-6L
   for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k1ldac0afplf2dd471059f9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
> ---------- 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? :-)
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

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

When we speak of free software, we are referring to freedom of use, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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

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

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

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.
Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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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 
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The precise terms and conditions for copying, distribution and 
modification follow. Pay close attention to the difference between a 
"work based on the library" and a "work that uses the library". The 
former contains code derived from the library, whereas the latter must 
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prepared so as to be conveniently linked with application programs 
(which use some of those functions and data) to form executables.

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

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

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.

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Initialize empty image
f1c9645dcb14efdce7da322685f26eb bsd.img

Create new DOS partition table
57e721e38d1266e2cf055067c18f2cf9 bsd.img

---layout--------
Disk <removed>: 10 MiB, 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
Disklabel type: dos
Disk identifier: <removed>

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

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
Disk <removed>: 10 MiB, 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
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start   End Sectors Size Id Type
<removed>1 2048 4095  2048 1M 83 Linux

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

Create 2st primary partition
1bebfb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73f bsd.img

---layout--------
Disk <removed>: 10 MiB, 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
Disklabel type: dos
Disk identifier: <removed>

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Sectors</th>
<th>Size</th>
<th>Id</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;removed&gt;1</td>
<td>1</td>
<td>2048</td>
<td>4095</td>
<td>2048</td>
<td>1M</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>&lt;removed&gt;2</td>
<td>2</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

-------------------
Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout---------
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

<table>
<thead>
<tr>
<th>Slice</th>
<th>Start</th>
<th>End</th>
<th>Size</th>
<th>Type</th>
<th>Fsiz e</th>
<th>Bsize</th>
<th>Cpg</th>
</tr>
</thead>
<tbody>
<tr>
<td>c</td>
<td>4096</td>
<td>20479</td>
<td>16384</td>
<td>8M</td>
<td>unused</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>d</td>
<td>0</td>
<td>16064</td>
<td>16065</td>
<td>7.9M</td>
<td>unused</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-------------------
b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.
Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
a      4096  6144    2049    1M 4.2BSD       0     0   0
 0  unused           5  4.1BSD         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

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

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

Command (m for help): Entering nested BSD disklabel.

Command (m for help):
0    unused  4.1BSD  4.4LFS  d boot
1 swap    Sixth Edition  a unknown  e ADOS
2 Version 6 4.2BSD  b HPFS  f HFS
3 Version 7 8 MS-DOS  c ISO-9660 10 AdvFS
4 System V

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1.297 libcap 2.22-10.el7atomix1

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1.303 libcap 2.24-8

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1.309 pkg-config 0.27.1 4.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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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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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

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

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

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

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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1.317 grub 2.02-0.44.el7.centos

1.317.1 Available under license :

From 0df1a50e41fb12fbeb6709575e5f12d64ed73b66 Mon Sep 17 00:00:00 2001
From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200
Subject: [PATCH 085/198] * grub-core/loader/i386/bsd.c (grub_netbsd_boot):
Pass pointer to EFI system table.

---
ChangeLog | 5 +++++
grub-core/loader/i386/bsd.c | 8 ++++++++ include/grub/i386/netbsd_bootinfo.h | 7 +++++++ 3 files changed, 20 insertions(+)
diff --git a/ChangeLog b/ChangeLog
index abf84b..0cdd095 100644
--- a/ChangeLog
+++ b/ChangeLog
@@ -1,5 +1,10 @@
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
    EFI system table physical address.

diff --git a/grub-core/loader/i386/bsd.c b/grub-core/loader/i386/bsd.c
index 41ef910..8f691e0 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;

+#ifdef 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 e48c19b..9b4f460 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_FRAMEBUF 12
+#define NETBSD_BTINFO_USERCONFCOMMANDS 13
+#define NETBSD_BTINFO_EFI 14

struct grub_netbsd_bootinfo
{
@@ -146,4 +148,9 @@ struct grub_netbsd_nhinfo_framebuf

#define GRUB_NETBSD_MAX_ROOTDEVICE_LEN 16

+struct grub_netbsd_btinfo_efi
+{
+  void *pa_systbl; /* Physical address of the EFI System Table */
+};
+
#endif
--
2.7.4

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1.318 pcre 8.32 15.el7_2.1

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THE BASIC LIBRARY FUNCTIONS

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1.319 vim 7.4.629 6.el7

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 */
if version < 600
  " Remove any old syntax stuff hanging around
  syn clear
elseif exists("b:current_syntax")
  finish
endif

" Product specification files are case sensitive
syn case match

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

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

syn match  psfObjTag    "\[-_+A-Z0-9a-z\]+\([-_+A-Z0-9a-z]\)+\)+" contained
syn match  psfAttAbbrev  "\<-\[\(fa\|fr\|[aclqrv]\)<\|>\|<=\|>=\|==\)\[^,\]+ contained
syn match  psfObjTags    "\<-\[\-+A-Z0-9a-z\]+\([-_+A-Z0-9a-z\]+\)+\)+\<-\[\-+A-Z0-9a-z\]+\)+" contained

syn match  psfNumber    "\<-\d+\>+" contained
syn match  psfFloat     "\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]\<-\d+\>[,]" contained

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

"Some of the attributes covered by attUnquotString and attQuotString:
" architecture category_tag control_directory copyright
"create_date description directory file_permissions install_source
"install_type location machine_type mod_date number os_name os_release
"os_version pose_as_os_name pose_as_os_release readme revision
"share_link title vendor_tag

syn region psfAttUnquotString matchgroup=psfAttrib start="~\s*[^#\s\t\n]\+[^#\s\t\n]\+~rs=e-1 contains=psfUnquotString,psfComment end=~$~ keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start="~\s*[^#\s\t\n]\+[^#\s\t\n]\+"~rs=e-1 contains=psfQuotString,psfComment skip=~"~ matchgroup=psfQuotString end=~"~ keepend oneline

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

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

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

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

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

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

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

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

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

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

syn match  psfComment ".*$
" Define the default highlighting.
" 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 REFERENCE MANUAL    by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*
SUMMARY
*iccf* *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are
couraged to make a donation for needy children in Uganda. Please see |kcc|
below or visit the ICCF web site, available at these URLs:

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

You can also sponsor the development of Vim. Vim sponsors can vote for
features. See [sponsor]. The money goes to Uganda anyway.

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

=== begin of license ===

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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.

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- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.
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4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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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

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

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

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

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.
Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

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

*donate*

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

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

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

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

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

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa
Sending money:*iccf-donations*

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

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

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

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

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is
the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others:
Transfer to one of these accounts if possible:
  Postbank, account 4548774
  Swift code: INGB NL 2A
  IBAN: NL95 INGB 0004 5487 74
  under the name "stichting ICCF Holland", Lisse
  If that doesn't work:
  Rabobank Lisse, account 3765.05.117
  Swift code: RABO NL 2U
  under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

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

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

1.320 perl 1.04-292.el7

1.320.1 Available under license:
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

That's all there is to it!

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION
Tests that the latest copyright years in the top-level README file and the `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 `--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.

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

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

my ($opt) = @ARGV;

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

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

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

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

```
# The copyright message is the first paragraph:
local $/ = ";
my $copyright_msg = <$readme>

my ($year) = $copyright_msg =~ /.*(\d{4,})/s
  or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

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

$year;
}

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

---
abstract: 'Build and install Perl modules'
author:
 - 'Ken Williams <kwilliams@cpan.org>''
 - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.
"
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

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1.321 libxml 2.9.1+dfsg1-5+deb8u4

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1.322 bash 4.2.46 33.el7

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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
~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-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>
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:

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

--
```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

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).

-------

1.323 berkeley-db 5.3.21 19.el7

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1.333 netty-transport 4.0.51

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# Names should be added to this file like so:
# Individual's name <submission email address>
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# An entry with multiple email addresses specifies that the
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GPSVME fixes

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<li class="inline"><a href="mailto:%20Ulrich.Windl@rz.uni-regensburg.de">Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de></a> corrected and validated HTML documents according to the HTML DTD
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Version 3, 29 June 2007

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jpg "Clone me," says Dolly sheepishly.

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3. [3]Bernd Altmeier <altmeier@atlssoft.de> hopf Elektronik serial line and PCI-bus devices
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7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
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The End

1.346 linux-kernel 3.10.0-327.el7
1.346.1 Available under license :
/* 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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for the nxt2004 frontend driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a single nxt200x frontend driver.

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1.350 pcre 2.50.3 3.el7
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```

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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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1.354 tdb 1.42.9-9.el7
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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
  Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 */
-  Unix SMB/CIFS implementation.
+  trivial database library - standalone version

-  trivial database library - private includes
-  Copyright (C) Andrew Tridgell          2005
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This package was put together by Yann Dirson <dirson@debian.org>,
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tsx-11.mit.edu:/pub/linux/packages/ext2fs/
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This 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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-----------------------------------------------------------------

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

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

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

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

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

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

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

1.355 gcc 6.3.0 18+deb9u1
1.355.1 Available under license:

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.356 hostname 3.15

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

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

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

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"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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a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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1.379 bsd-mailx 8.1.2-0.20141216cvs-2
1.379.1 Available under license:

Mail Command|Description
-------------|-----------------------------
t [message list] type message(s).
m more [message list] read message(s), through the $PAGER
g goto and type next message.
e [message list] edit message(s).
f [message list] give head lines of messages.
d [message list] delete message(s).
s [message list] <file> append message(s) to file.
u [message list] undelete message(s).
R [message list] reply to message sender(s).
r [message list] reply to message sender(s) and all recipients.
p [message list] print message list.
pre [message list] make messages go back to /var/mail.
m <recipient list> mail to specific recipient(s).
q quit, saving unresolved messages in mbox.
x quit, do not remove system mailbox.
h print out active message headers.
! shell escape.
| [msglist] command pipe message(s) to shell command.
| pi [msglist] command pipe message(s) to shell command.
| cd [directory] chdir to directory or home if none given
| fi <file> switch to file (%=system inbox, %user=user's system inbox). + searches in your folder directory for the file.
| set variable [=value] set Mail variable.

A [message list] consists of integers, ranges of same, :status, /subject, or user names separated by spaces. If omitted, Mail uses the current message. The pipe command doesn't accept user names or subject message list, since that might conflict with the command string.

A <recipient list> consists of recipient addresses or aliases separated by spaces. Aliases are defined in .mailrc in your home directory.

A <file> is a full or relative pathname, +folder, % (system inbox), %user (specified user's system inbox), # (previous file), & (mbox file), or an expression understood by ${SHELL:-/bin/sh} -c 'echo ...'.

DIR=usr/07.mail
SRCS=mail0.nr mail1.nr mail2.nr mail3.nr mail4.nr mail5.nr mail6.nr \ mail7.nr mail8.nr mail9.nr maila.nr
MACROS=-me

paper.ps: ${SRCS}
$[TBL] ${SRCS} | ${ROFF} > ${.TARGET}

table.ps: ${SRCS}
$[TBL] ${SRCS} | ${ROFF} -Tascii > ${.TARGET}

.include <bsd.doc.mk>
"$OpenBSD: Makefile,v 1.4 2004/02/01 15:19:57 jmc Exp $"
"$OpenBSD: mail1.nr,v 1.4 2004/06/04 00:04:54 jmc Exp $"
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Mail provides a simple and friendly environment for sending and receiving mail. It divides incoming mail into its constituent messages and allows the user to deal with them in any order. In addition, it provides a set of ed-like commands for manipulating messages and sending mail.

Mail offers the user simple editing capabilities to ease the composition of outgoing messages, as well as providing the ability to define and send to names which address groups of users. Finally, Mail is able to send and receive messages across such networks as the ARPANET, UUCP, and Berkeley network.

This document describes how to use the Mail program to send and receive messages. The reader is not assumed to be familiar with other message handling systems, but should be familiar with the \s-2UNIX\s0** \f
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shell, the text editor, and some of the common \s-2UNIX\s0 commands.
&q "The \s-2UNIX\s0 Programmer's Manual,"
&q "An Introduction to Csh,"
and
&q "Text Editing with Ex and Vi"
can be consulted for more information on these topics.
A word of explanation is in order here concerning the name `Mail'. The original UNIX mail program was known as `/bin/mail'. The BSD mail program was called `Mail' to differentiate it from the older mail program. `/bin/mail' is not included in OpenBSD so there is no ambiguity and the BSD mail program is installed as `/usr/bin/mail'; `/usr/bin/Mail' is simply a link for backwards compatibility.

To further confuse the issue, a second link was retained for compatibility with SystemV systems, `mailx'. In this document, we use the original name, `Mail', to refer to any of these.

Here is how messages are handled: the mail system accepts incoming messages for you from other people and collects them in a file, called your "system mailbox". When you log in, the system notifies you if there are any messages waiting in your system mailbox. If you are a `csh' user, you will be notified when new mail arrives if you inform the shell of the location of your mailbox. On OpenBSD, your system mailbox is located in the directory `/var/mail' in a file with your login name. If your login name is `sam', then you can make `csh' notify you of new mail by including the following line in your `.cshrc' file:

```
(set mail=/var/mail/sam)
```

When you read your mail using `Mail', it reads your system mailbox and separates that file into the individual messages that have been sent to you. You can then read, reply to, delete, or save these messages. Each message is marked with its author and the date they sent it.
While typing in a message to be sent to others, it is often useful to be able to invoke the text editor on the partial message, print the message, execute a shell command, or do some other auxiliary function.

Mail provides these capabilities through "tilde escapes", which consist of a tilde (~) at the beginning of a line, followed by a single character which indicates the function to be performed. For example, to print the text of the message so far, use:

```sh
~p
```
which will print a line of dashes, the recipients of your message, and
the text of the message so far.
Since
Mail
requires two consecutive <Control-C>'s to abort a letter, you
can use a single <Control-C> to abort the output of ~p or any other
~ escape without killing your letter.

If you are dissatisfied with the message as
it stands, you can invoke the text editor on it using the escape
~
which causes the message to be copied into a temporary file and an
instance of the editor to be spawned. After modifying the message to
your satisfaction, write it out and quit the editor.
Mail
will respond
by typing
~
(continue)
~
after which you may continue typing text which will be appended to your
message, or type <Control-D> to end the message.
A standard text editor is provided by
Mail.
You can override this default by setting the valued option
EDITOR
to something else. For example, you might prefer:
set EDITOR=/bin/ed
~
Many systems offer a screen editor as an alternative to the standard
text editor, such as the
vi
editor from UC Berkeley,
or
mg,
an emacs-like editor.
To use the screen, or
visual
editor, on your current message, you can use the escape,
~
~ works like ~, except that the screen editor is invoked instead.
A default screen editor is defined by
Mail.
If it does not suit you, you can set the valued option
.q VISUAL
to the path name of a different editor.
.pp
It is often useful to be able to include the contents of some
file in your message; the escape
.nl
~r filename
.nl
is provided for this purpose, and causes the named file to be appended
to your current message.
.i Mail
complains if the file doesn't exist
or can't be read. If the read is successful, the number of lines and
characters appended to your message is printed, after which you may continue
appending text. The filename may contain shell metacharacters like * and ?
which are expanded according to the conventions of your shell.
.pp
As a special case of ~r, the escape
.nl
~d
.nl
reads in the file
.q dead.letter
in your home directory. This is often useful since
.i Mail
copies the text
of your message there when you abort a message with <Control-C>.
.pp
To save the current text of your message on a file you may use the
.nl
~w filename
.nl
escape.
.i Mail
will print out the number of lines and characters written
to the file, after which you may continue appending text to your message.
Shell metacharacters may be used in the filename, as in ~r and are expanded
with the conventions of your shell.
.pp
If you are sending mail from within
.i Mail's
command mode
you can read a message sent to you into the message
you are constructing with the escape:
.nl
~m 4
.nl
which will read message 4 into the current message, shifted right by one tab stop. You can name any non-deleted message, or list of messages. Messages can also be forwarded without shifting by a tab stop with ~f. This is the usual way to forward a message.

If, in the process of composing a message, you decide to add additional people to the list of message recipients, you can do so with the escape

\(\text{~t name1 name2 ...}\)

You may name as few or many additional recipients as you wish. Note that the users originally on the recipient list will still receive the message; you cannot remove someone from the recipient list with ~t.

If you wish, you can associate a subject with your message by using the escape

\(\text{~s Arbitrary string of text}\)

which replaces any previous subject with

\(\text{"Arbitrary string of text."}\)
The subject, if given, is sent near the top of the message prefixed with

\(\text{"Subject:"}\)
You can see what the message will look like by using ~p.

For political reasons, one occasionally prefers to list certain people as recipients of carbon copies of a message rather than direct recipients. The escape

\(\text{~c name1 name2 ...}\)
adds the named people to the

\(\text{"Cc:"}\)
list, similar to ~t. Again, you can execute ~p to see what the message will look like.

The escape

\(\text{~b name1 name2 ...}\)
adds the named people to the

\(\text{"Cc:"}\)
list, but does not make the names visible in the

\(\text{"Cc:"}\) line ("blind" carbon copy).
The recipients of the message together constitute the 
.q "To:"
field, the subject the 
.q "Subject:"
field, and the carbon copies the 
.q "Cc:"
field. If you wish to edit these in ways impossible with the ~t, ~s, ~c
and ~b escapes, you can use the escape

```
~h
```

which prints

.q "To:"
followed by the current list of recipients and leaves the cursor
(or printhead) at the end of the line. If you type in ordinary
characters, they are appended to the end of the current list of
recipients. You can also use your erase character to erase back into
the list of recipients, or your kill character to erase them altogether.
Thus, for example, if your erase and kill characters are the standard
(on printing terminals) <Control-H> and <Control-U> keys,

```
~h
To: root kurt^H^H^H^Hbill
```

would change the initial recipients

.q "root kurt"
to

.q "root bill:"
When you type a newline,

.i Mail
advances to the
.q "Subject:"
field, where the same rules apply. Another newline brings you to the
.q "Cc:"
field, which may be edited in the same fashion. Another newline
brings you to the
.q "Bcc:"
("blind" carbon copy) field, which follows the same rules as the "Cc:"
field. Another newline
leaves you appending text to the end of your message. You can use
~p to print the current text of the header fields and the body
of the message.

```
To effect a temporary escape to the shell, the escape
```

```
~!command
```


is used, which executes
.i command
and returns you to mailing mode without altering the text of
your message. If you wish, instead, to filter the body of your
message through a shell command, then you can use
.i~\{command
\}
which pipes your message through the command and uses the output
as the new text of your message. If the command produces no output,
.i Mail
assumes that something is amiss and retains the old version
of your message. A frequently-used filter is the command
.i fmt ,
designed to format outgoing mail.
.i~p
To effect a temporary escape to
.i Mail
command mode instead, you can use the
.i~:\fIMail\fP command
\}
escape. This is especially useful for retyping the message you are
replying to, using, for example:
.i~t
\}
It is also useful for setting options and modifying aliases.
.i~pp
If you wish abort the current message, you can use the escape
.i~q
\}
This will terminate the current message and return you to the
shell (or \fIMail\fP if you were using the \fBmail\fP command). If the \fBsave\fP option is set, the message will be copied
to the file
.q dead.letter
in your home directory.
.i~pp
If you wish to abort the current message,
without saving any copy of it whatsoever,
even if the \fBsave\fP option is set,
you can use the escape
.i~x
\}
.i~pp
If you wish (for some reason) to send a message that contains a line beginning with a tilde, you must double it. Thus, for example,

```
~
```

This line begins with a tilde.

```
\)
```
sends the line

```
~
```

This line begins with a tilde.

```
~?
```

Finally, the escape prints out a brief summary of the available tilde escapes.

```
~?
```

On some terminals (particularly ones with no lower case) tilde's are difficult to type.

Mail allows you to change the escape character with the escape option. For example, I set

```
set escape=]
```

and use a right bracket instead of a tilde. If I ever need to send a line beginning with right bracket, I double it, just as for ~. Changing the escape character removes the special meaning of ~.

```

```

This section describes how to send mail to people on other machines. Recall that sending to a plain login name sends mail to that person on your machine. If your machine is directly (or sometimes, even, indirectly) connected to the Internet, you can send messages to people on the Internet using a name of the form

```
name@host.domain
```

where

```
name
```
is the login name of the person you're trying to reach,

```
host
```
is the name of the machine on the Internet, and

```
domain
```
is the higher-level scope within which the hostname is known, e.g. EDU (for educational institutions), COM (for commercial entities), GOV (for governmental agencies), ARPA for many other things, BITNET or CSNET for those networks.
If your recipient logs in on a machine connected to yours by UUCP (the Bell Laboratories supplied network that communicates over telephone lines), sending mail can be a bit more complicated. You must know the list of machines through which your message must travel to arrive at his site. So, if his machine is directly connected to yours, you can send mail to him using the syntax:

```
.l
host!name
.l
```

where, again,

```
.i host
```

is the name of the machine and

```
.i name
```

is the login name.

If your message must go through an intermediary machine first, you must use the syntax:

```
.l
intermediary!host!name
.l
```

and so on. It is actually a feature of UUCP that the map of all the systems in the network is not known anywhere (except where people decide to write it down for convenience). Talk to your system administrator about good ways to get places; the

```
.i uuname
```

command will tell you systems whose names are recognized, but not which ones are frequently called or well-connected.

When you use the

```
.b reply
```

command to respond to a letter, there is a problem of figuring out the names of the users in the

```
.q "To:"
```

and

```
.q "Cc:"
```

lists

```
.i "relative to the current machine"
```

If the original letter was sent to you by someone on the local machine, then this problem does not exist, but if the message came from a remote machine, the problem must be dealt with.

Mail uses a heuristic to build the correct name for each user relative to the local machine. So, when you

```
.b reply
to remote mail, the names in the
```

```
.q "To:"
```

and

```
.q "Cc:"
```
lists may change somewhat.

As described previously, you can send mail to either user names or

names. It is also possible to send messages directly to files or to

programs, using special conventions. If a recipient name has a

`/' in it or begins with a `+', it is assumed to be the

path name of a file into which

to send the message. If the file already exists, the message is

appended to the end of the file. If you want to name a file in

your current directory (ie, one for which a `/' would not usually

be needed) you can precede the name with `./'

So, to send mail to the file

in the current directory, you can give the command:

```
% Mail ./memo
```

If the name begins with a `+', it is expanded into the full path name

of the folder name in your folder directory.

This ability to send mail to files can be used for a variety of

purposes, such as maintaining a journal and keeping a record of

mail sent to a certain group of users. The second example can be

done automatically by including the full pathname of the record

file in the

command for the group. Using our previous

example, you might give the command:

```
alias project sam sally steve susan /usr/project/mail_record
```

Then, all mail sent to "project" would be saved on the file

```
/usr/project/mail_record
```
as well as being sent to the members of the project. This file
can be examined using

```
"Mail \-f"
```

It is sometimes useful to send mail directly to a program, for
example one might write a project billboard program and want to access
it using

```
Mail
```
To send messages to the billboard program, one can send mail
to the special name `|billboard' for example.

```
Mail
```
treats recipient names that begin with a `|' as a program to send
the mail to. An
.b alias

can be set up to reference a `|' prefaced name if desired.

.i Caveats:

the shell treats `|' specially, so it must be quoted on the command line. Also, the `|' program must be presented as a single argument to mail. The safest course is to surround the entire name with double quotes. This also applies to usage in the .b alias command. For example, if we wanted to alias `rmgs' to `rmgs \-s' we would need to say:

.(l
alias rmgs '| rmgs -s'
)l

.set append dot save asksub

ignore Received Message-Id Resent-Message-Id Status Mail-From Return-Path Via

``OpenBSD: maila.nr,v 1.3 2003/06/03 02:56:11 millert Exp $
``
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``
``@(#)maila.nr 8.1 (Berkeley) 6/8/93
``
````OpenBSD: mail.1,v 1.70 2014/12/16 18:37:17 millert Exp $
```
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"
"@(#)mail.18.8 (Berkeley) 4/28/95
```

```
.Dd $Mdocdate: December 16 2014 $
.Dt MAIL 1
.Os
.Sh NAME
.Nm mail ,
.Nm mailx ,
.Nm Mail
.Nd send and receive mail
.Sh SYNOPSIS
.Nm mail
.Bk -words
.Op Fl dElinv
.Op Fl b Ar list
.Op Fl c Ar list
.Op Fl s Ar subject
.Ar to-addr ...
.Ek
.Nm mail
.Op Fl dElinav
```
is an intelligent mail processing system which has
a command syntax reminiscent of
with lines replaced by messages.

The options are as follows:

- **-b** list
  Send blind carbon copies to
  list.

- **-c** list
  Send carbon copies to
  list
  of users.
  list
  should be a comma separated list of names.

- **-d**
  Causes
  to output all sorts of information useful for debugging

- **-E**
  Don't send messages with an empty body.

- **-f**
  Use an alternate mailbox.
  Defaults to the user's
  mbox
  if no
  file
  is specified.
  When quit,
  writes undeleted messages back to this
  file.

- **-I**
  Forces
  to run in interactive mode, even when input is not a terminal.
  In particular, the special
  command character, used when sending mail, is only available interactively.
Ignore tty interrupt signals.
This is particularly useful when using `mail` on noisy phone lines.

Inhibits initial display of message headers when reading mail or editing a mail folder.

Inhibits reading `/etc/mail.rc` upon startup.

Specify subject on command line (only the first argument after the `subject` flag is used as a subject; be careful to quote subjects containing spaces).

Equivalent to:

```
$ mail -f /var/mail/user
```

except that locking is done.

Verbose mode.
The details of delivery are displayed on the user's terminal.

At startup time, `mail` will execute commands in the system command file, `/etc/mail.rc`, unless explicitly told not to by using the `n` option.

Next, the commands in the user's personal command file `~/.mailrc` are executed.

then examines its command line options to determine whether the user requested a new message to be sent or existing messages in a mailbox to be examined.

To send a message to one or more people,
can be invoked with arguments which are the names of people to
whom the mail will be sent.
You are then expected to type in
your message, followed
by a control-D
.Pq Sq ^D
at the beginning of a line.
The section below,
.Sx Replying to or originating mail ,
describes some features of
.Nm mail
available to help you compose your letter.
.Ss Reading mail
In normal usage,
.Nm mail
is given no arguments and checks your mail out of the
post office, then
prints out a one line header of each message found.
The current message is initially set to the first message (numbered 1)
and can be printed using the
.Ic print
command (which can be abbreviated
.Ic p ) .
Moving among the messages is much like moving between lines in
.Xr ed 1 ;
you may use
.Ic +
and
.Ic -
to shift forwards and backwards, or simply enter a message number to move
directly.
.Ss Disposing of mail
After examining a message you can
.Ic delete
.Pq Ic d
or
.Ic reply
.Pq Ic r
to it.
Deletion causes the
.Nm mail
program to forget about the message.
This is not irreversible; the message can be
.Ic undeleted
.Pq Ic u
by giving its number, or the
.Nm mail
session can be aborted by giving the
Deleted messages, however, will usually disappear, never to be seen again.

Commands such as `print` and `delete` can be given a list of message numbers as arguments to apply to a number of messages at once.

Thus `delete 1 2` deletes messages 1 and 2, while `delete 1-5` deletes messages 1 through 5.

Messages may also be selected using one of the following categories:

Thus the command `top *`, which prints the first few lines of a message, could be used in

`top *` to print the first few lines of all messages.

You can use the `reply` command to set up a response to a message, sending it back to the person who it was from.
Text you then type in, up to an end-of-file, defines the contents of the message.
While you are composing a message, 
.Nm mail
treats lines beginning with the tilde
.Pq Sq ~
character specially.
For instance, typing 
.Ic ~m
(alone on a line) will place a copy
of the current message into the response, right shifting it by a single
.tab-stop (see the
.Va indentprefix
variable, below).
Other escapes will set up subject fields, add and delete recipients
to the message, and allow you to escape to an editor to revise the
message or to a shell to run some commands.
(These options
are given in the summary below.)
.Ss Ending a mail processing session
You can end a
.Nm mail
session with the
.Ic quit
.Pq Ic q
command.
Messages which have been examined go to your
.Ar mbox
file unless they have been deleted, in which case they are discarded.
Unexamined messages go back to the post office (see the
.Fl f
option above).
.Ss Personal and system wide distribution lists
It is also possible to create personal distribution lists so that,
for instance, you can send mail to
.Dq Li cohorts
and have it go
to a group of people.
Such lists can be defined by placing a line like
.Pp
.Dl alias cohorts bill ozalp jkf mark kridle@ucbcory
.Pp
in the file
.Pa .mailrc
in your home directory.
The current list of such aliases can be displayed with the
.Ic alias
command in
System wide distribution lists can be created by editing
/etc/mail/aliases
(see
aliases 5);
these are kept in a different syntax.
In mail you send, personal aliases will be expanded in mail sent
to others so that they will be able to
reply
to the recipients.
System wide aliases
are not expanded when the mail is sent,
but any reply returned to the machine will have the system wide
alias expanded as all mail goes through an MTA.
Recipient address specifications
Recipient addresses (any of the
To, Cc
or
Bcc
header fields) are subject to expansion when the
expandaddr
option is set.
An address may be expanded as follows:
An address that starts with a pipe
character is treated as a command to run.
The command immediately following the
is executed with the message as its standard input.
An address that starts with a
character is treated as a folder.
An address that contains a
character but no
\%! ,
% ,
or
@ characters is also treated as a folder.
If none of the above apply, the recipient is treated as
If the \texttt{expandaddr} option is not set (the default), no expansion is performed and the recipient is treated as a local or network mail address.

\section*{Network mail (ARPA, UUCP, Berknet)}

See \texttt{mailaddr} for a description of network addresses.

\texttt{mail} has a number of options which can be set in the \texttt{mailrc} file to alter its behavior; thus \texttt{set askcc} enables the \texttt{askcc} feature.

(These options are summarized below.)

\section*{SUMMARY}

(Adapted from the \texttt{Mail Reference Manual}.)

Each command is typed on a line by itself, and may take arguments following the command word. The command need not be typed in its entirety -- the first command which matches the typed prefix is used. For commands which take message lists as arguments, if no message list is given, then the next message forward which satisfies the command's requirements is used. If there are no messages forward of the current message, the search proceeds backwards, and if there are no good messages at all, \texttt{mail} types \texttt{&No applicable messages} and aborts the command.

Print out the preceding message. If given a numeric argument \texttt{n}, goes to the \texttt{nth} message.
previous message and prints it.
. It Ic 

Prints a brief summary of commands.
. It Ic !

Executes the shell
(see
. Xr sh 1
and
. Xr csh 1 )

command which follows.
. It Ic alias
. Pq Ic a

With no arguments, prints out all currently defined aliases.
With one
argument, prints out that alias.
With more than one argument, creates
a new alias or changes an old one.
. It Ic alternates
. Pq Ic alt

The
. Ic alternates
command is useful if you have accounts on several machines.
It can be used to inform
. Nm mail
that the listed addresses are really you.
When you
. Ic reply
to messages,
. Nm mail
will not send a copy of the message to any of the addresses
listed on the
. Ic alternates
list.
If the
. Ic alternates
command is given with no argument, the current set of alternate
names is displayed.
. It Ic chdir
. Pq Ic c

Changes the user's working directory to that specified, if given.
If
no directory is given, then changes to the user's login directory.
. It Ic copy
. Pq Ic co

The
. Ic copy
command does the same thing that
. Ic save
does, except that it does not mark the messages it
is used on for deletion when you quit.
"It Ic delete
"Pq Ic d
Takes a list of messages as argument and marks them all as deleted.
Deleted messages will not be saved in
"Ar mbox ,
nor will they be available for most other commands.
"It Ic dp
(also
"Ic dt )
Deletes the current message and prints the next message.
If there is no next message,
"Nm mail
says
"Dq Li "&No more messages."
"It Ic edit
"Pq Ic e
Takes a list of messages and points the text editor at each one in
turn.
On return from the editor, the message is read back in.
"It Ic exit
"Pf ( Ic ex
or
"Ic x )
Effects an immediate return to the shell without
modifying the user's system mailbox, his
"Ar mbox
file, or his edit file in
"Fl f .
"It Ic file
"Pq Ic fi
The same as
"Ic folder .
"It Ic folder
"Pq Ic fo
The
"Ic folder
command switches to a new mail file or folder.
With no
arguments, it tells you which file you are currently reading.
If you give it an argument, it will write out changes (such
as deletions) you have made in the current file and read in
the new file.
Some special conventions are recognized for
the name.
# means the previous file, % means your system
mailbox, %user means user's system mailbox, & means
your
.Ar mbox
file, and
+folder means a file in your folder
directory.
.Ic folders
List the names of the folders in your folder directory.
.Ic from
.Pq Ic f
Takes a list of messages and prints their message headers.
.Ic headers
.Pq Ic h
Lists the current windowful of headers.
To view the next or previous group of headers, see the
.Ic z
command.
.Ic hold
A synonym for
.Ic \&? .
.Ic ignore
.Add the list of header fields named to the
.Ar ignored list .
Header fields in the ignore list are not printed
on your terminal when you print a message.
This
command is very handy for suppression of certain machine-generated
header fields.
The
.Ic Type
and
.Ic Print
commands can be used to print a message in its entirety, including
ignored fields.
If
.Ic ignore
is executed with no arguments, it lists the current set of
ignored fields.
Incorporate any new messages that have arrived while mail is being read.
The new messages are added to the end of the message list, and the current message is reset to be the first new mail message.
This does not renumber the existing message list, nor does it cause any changes made so far to be saved.

List the valid commands.

Takes as argument login names and distribution group names and sends mail to those people.

Indicate that a list of messages be sent to your home directory when you quit.
This is the default action for messages if you do not have the option set.

Takes a message list and invokes the pager on that list.

Goes to the next message in sequence and types it.
With an argument list, types the next matching message.

A synonym for

A synonym for

Like

but also prints out ignored header fields.
See also

.Ic ignore 
and
.Ic retain 
.It Ic print
.Pq Ic p
Takes a message list and types out each message on the user's terminal.
.It Ic quit
.Pq Ic q
Terminates the session, saving all undeleted, unsaved messages in
the user's
.Ar mbox
file in his login directory, preserving all messages marked with
.Ic hold
or
.Ic preserve
or never referenced
in his system mailbox, and removing all other messages from his system
mailbox.
If new mail has arrived during the session, the message
.Dq Li "You have new mail"
is given.
If given while editing a
mailbox file with the
.Fl f
flag, then the edit file is rewritten.
A return to the shell is
effected, unless the rewrite of edit file fails, in which case the user
can escape with the
.Ic exit
command.
.It Ic Reply
.Pq Ic R
Reply to originator.
Does not reply to other
recipients of the original message.
.It Ic reply
.Pq Ic r
Takes a message list and sends mail to the sender and all
recipients of the specified message.
The default message must not be deleted.
.It Ic respond
A synonym for
.Ic reply .
.It Ic retain
Add the list of header fields named to the
.Ar retained list .
Only the header fields in the retain list
are shown on your terminal when you print a message.
All other header fields are suppressed.
The .Ic Type
and
.Ic Print
commands can be used to print a message in its entirety.
If
.Ic retain
is executed with no arguments, it lists the current set of retained fields.
.It Ic save
.Pq Ic s
Takes a message list and a filename and appends each message in turn to the end of the file.
The filename in quotes, followed by the line count and character count is echoed on the user's terminal.
.It Ic saveignore
.Ic saveignore
is to
.Ic save
what
.Ic ignore
is to
.Ic print
and
.Ic type .
Header fields thus marked are filtered out when saving a message by
.Ic save
or when automatically saving to
.Ar mbox .
.It Ic saveretain
.Ic saveretain
is to
.Ic save
what
.Ic retain
is to
.Ic print
and
.Ic type .
Header fields thus marked are the only ones saved with a message when saving by
.Ic save
or when automatically saving to
.Ar mbox .
.Ic saveretain
overrides
With no arguments, prints all variable values.
Otherwise, sets option.
Arguments are of the form 
." option=value
(no space before or after =) or 
." option.
Quotation marks may be placed around any part of the assignment statement to 
quote blanks or tabs, i.e.,
." set indentprefix="->".
." shell
'.
Invokes an interactive version of the shell.
." size
Takes a message list and prints out the size in characters of each 
message.
." source
The
." source
command reads
commands from a file.
." top
Takes a message list and prints the top few lines of each.
The number of 
lines printed is controlled by the variable 
." toplines
and defaults to five.
." Type
'.
Identical to the
." Print 
command.
." type
'.
A synonym for
." print.
." unalias
Takes a list of names defined by 
." alias 
commands and discards the remembered groups of users.
The group names 
no longer have any significance.
." undelete
'.
Takes a message list and marks each message as not being deleted.
It Ic unread
Itc U
Takes a message list and marks each message as not having been read.

It Ic unset
Takes a list of option names and discards their remembered values; the inverse of
Itc set.

It Ic visual
Itc v
Takes a message list and invokes the display editor on each message.

It Ic write
Itc w
Similar to
Itc save, except that
Itc only
the message body (without the header) is saved.
Extremely useful for such tasks as sending and receiving source program text over the message system.

It Ic xit
Itc x
A synonym for
Itc exit.

It Ic z
Nc mail
presents message headers in windowfuls as described under the
Itc headers command.
You can move
Nm mail Ns 's
attention forward to the next window with the
Itc z
command.
Also, you can move to the previous window by using
Itc z-.

Ss Tilde/escapes
Here is a summary of the tilde escapes, which are used when composing messages to perform special functions. Tilde escapes are only recognized at the beginning of lines.
The name
Dq tilde escape
is somewhat of a misnomer since the actual escape character can be set by the option
Add the given names to the list of carbon copy recipients but do not make the names visible in the Cc: line ("blind" carbon copy).

Add the given names to the list of carbon copy recipients.

Read the file from your home directory into the message.

Invoke the text editor on the message collected so far. After the editing session is finished, you may continue appending text to the message.

Identical to except all message headers are included.

Read the named messages into the message being sent. If no messages are specified, read in the current message. Message headers currently being ignored (by the ignore or command) are not included.

Edit the message header fields by typing each one in turn and allowing the user to append text to the end or modify the field by using the current terminal erase and kill characters.

Identical to except all message headers are included.

Read the named messages into the message being sent, indented by a tab or by the value of
If no messages are specified, read the current message. Message headers currently being ignored (by the \ls ignore or \ls retain command) are not included.

Print out the message collected so far, prefaced by the message header fields.

Abort the message being sent, copying the message to \ls dead.letter in your home directory if \ls save is set.

Read the named file into the message.

Cause the named string to become the current subject field.

Add the given names to the direct recipient list.

Invoke an alternate editor (defined by the \ls VISUAL option) on the message collected so far. Usually, the alternate editor will be a screen editor. After you quit the editor, you may resume appending text to the end of your message.

Write the message onto the named file.

Abort the message being sent. No message is copied to \ls ~/dead.letter,
.Ic save
is set.
.Pp
.It Ic ~?
Prints a brief summary of tilde escapes.
.Pp
.It Ic ~> Ns Ar command
Execute the indicated shell command, then return to the message.
.Pp
.It Ic ~>| Ns Ar command
Pipe the message through the command as a filter.
If the command gives
no output or terminates abnormally, retain the original text of the
message.
The command
.Xr fmt 1
is often used as
.Ic command
to rejustify the message.
.Pp
.It Ic `: Ns Ar mail-command
.It Ic `:_ Ns Ar mail-command
Execute the given mail command.
Not all commands, however, are allowed.
.Pp
.It Ic ~~ Ns Ar string
 Insert the string of text in the message prefaced by a single ~.
If
you have changed the escape character, then you should double
that character in order to send it.
.Pp
.It Ic ~.
Simulate end of file on input.
.El
.Ss Mail options
Options are controlled via
.Ic set
and
.Ic unset
commands.
Options may be either binary, in which case it is only
significant to see whether they are set or not; or string, in which
case the actual value is of interest.
The binary options include the following:
.Bl -tag -width append
.It Ar append
Causes messages saved in
.Ar mbox
to be appended to the end rather than prepended.
This should always be set (perhaps in
.Pa /etc/mail.rc ) .
.Ir ask , asksub
Causes
.Nm mail

to prompt you for the subject of each message you send.
If
you respond with simply a newline, no subject field will be sent.
.Ir askbcc
Causes you to be prompted for additional blind carbon copy recipients at the
end of each message. Responding with a newline indicates your
satisfaction with the current list.
.Ir askcc
Causes you to be prompted for additional carbon copy recipients at the
end of each message.
Responding with a newline indicates your
satisfaction with the current list.
.Ir autoinc
Causes new mail to be automatically incorporated when it arrives.
Setting this is similar to issuing the
.Ic inc
command at each prompt, except that the current message is not
reset when new mail arrives.
.Ir autoprint
Causes the
.Ic delete
command to behave like
.Ic dp ;
thus, after deleting a message, the next one will be typed
automatically.
.Ir debug
Setting the binary option
.Ir debug
is the same as specifying
.Ic Fl d
on the command line and causes
.Nm mail
to output all sorts of information useful for debugging
.Nm mail .
.Ir dot
The binary option
.Ir dot
causes
.Nm mail
to interpret a period alone on a line as the terminator
of a message you are sending.
.It Ar expandaddr
Causes
.Nm mail
to expand message recipient addresses, as explained in the section
.Sx Recipient address specifications.
 .It Ar hold
This option is used to hold messages in the system mailbox
by default.
 .It Ar ignore
Causes interrupt signals from your terminal to be ignored and echoed as
@’s.
 .It Ar ignoreeof
An option related to
 .Ar dot
is
 .Ar ignoreeof
which makes
 .Nm mail
refuse to accept a control-D as the end of a message.
 .Ar ignoreeof
also applies to
 .Nm mail
command mode.
 .It Ar keep
Setting this option causes
 .Nm
to truncate your system mailbox instead of deleting it
when it’s empty.
 .It Ar keepsave
Messages saved with the
 .Ic save
command are not normally saved in
 .Ar mbox
at quit time.
Use this option to retain those messages.
 .It Ar metoo
Usually, when a group is expanded that contains the sender, the sender
is removed from the expansion.
Setting this option causes the sender
to be included in the group.
 .It Ar noheader
Setting the option
 .Ar noheader
is the same as giving the
 .Fl N
flag on the command line.
 .It Ar nosave
 Normally, when you abort a message with two interrupt characters
(usually control-C),

```
Nm mail
```
copies the partial letter to the file

```
Pa dead.letter
```
in your home directory.

Setting the binary option

```
.Ar nosave
```
prevents this.

```
.It Ar quiet
```
Suppresses the printing of the version when first invoked.

```
.It Ar Replyall
```
Reverses the sense of

```
.Ic reply
```
and

```
.Ic Reply
```
commands.

```
.It Ar searchheaders
```
If this option is set, then a message-list specifier in the form

```
.Dq /x:y
```
will expand to all messages containing the substring

```
 Sq y
```
in the header
field

```
 Sq x .
```
The string search is case insensitive.

If

```
 Sq x
```
is omitted, it will default to the

```
.Dq Subject
```
header field.
The form

```
.Dq /to:y
```
is a special case, and will expand
to all messages containing the substring

```
 Sq y
```
in the
```
.Dq To ,
```
```
.Dq Cc
```
or
```
.Dq Bcc
```
header fields.
The check for

```
.Dq to
```
is case sensitive, so that

```
.Dq /To:y
```
can be used to limit the search for

```
 Sq y
```
to just the
To:
field.
Don't send messages with an empty body.
Setting the option
is the same as using the
flag on the command line.
When
runs in verbose mode,
the actual delivery of messages is displayed on the user's terminal.

Option string values
Pathname of the text editor to use in the edit command and escape. If not defined, /usr/bin/ex is used.
Pathname of the directory lister to use in the folders command. Default is /bin/ls.
The name of the mbox file. It can be the name of a folder. The default is in the user's home directory.
Pathname of the program to use in the more command or when the crt variable is set. The default paginator
.Xr more 1
is used if this option is not defined.
.
It Ev SHELL
Pathname of the shell to use in the
.\c \%
command and the
.\c ~\%
escape.
A default shell is used if this option is not defined.
.
It Ev TMPDIR
Directory in which temporary files are stored.
.
It Ev VISUAL
Pathname of the text editor to use in the
.\c visual
command and
.\c ~v
escape.
If not defined,
.\Pa/usr/bin/vi
is used.
.
It Ar crt
The valued option
.\Ar crt
is used as a threshold to determine how long a message must be before
.
Ev PAGER
is used to read it.
If
.\Ar crt
is set without a value,
then the height of the terminal screen stored in the system is used to compute the threshold (see
.\Xr stty 1 ).
.
It Ar escape
If defined, the first character of this option gives the character to use in the place of ~ to denote escapes.
.
It Ar folder
The name of the directory to use for storing folders of messages.
If this name begins with a
.\Ql /
.\Nm mail
considers it to be an absolute pathname; otherwise, the folder directory is found relative to your home directory.
.
It Ar indentprefix
String used by the
.\c ~m
tilde escape for indenting messages, in place of the normal tab character

Be sure to quote the value if it contains spaces or tabs.

If defined, gives the pathname of the file used to record all outgoing mail.
If not defined, then outgoing mail is not so saved.

Size of window of message headers for

If defined, gives the number of lines of a message to be printed out with the
command; normally, the first five lines are printed.

ENVIRONMENT

mail utilizes the

HOME, LOGNAME, MAIL, MAILRC, and USER environment variables.

If the MAIL environment variable is set, its value is used as the path to the user's mail spool.

FILES

post office (unless overridden by the MAIL environment variable)

user's old mail

file giving initial mail commands; can be overridden by setting the MAILRC environment variable

temporary files
.It Pa /usr/share/misc/mail.*help
help files
 .It Pa /etc/mail.rc
system initialization file
 .El
..Sh EXIT STATUS
 .Ex -std mail
 .Sh SEE ALSO
 .Xr fmt 1 ,
 .Xr lockspool 1 ,
 .Xr vacation 1 ,
 .Xr aliases 5 ,
 .Xr mailaddr 7 ,
 .Xr mail.local 8 ,
 .Xr newaliases 8 ,
 .Xr sendmail 8 ,
 .Xr smtpd 8
 .Sh STANDARDS
The
 .Nm mailx
utility is compliant with the
 .St -p1003.1-2008
specification.
 .Pp
The flags
 .Op Fl iNnu
are marked by
 .St -p1003.1-2008
as being optional.
 .Pp
The flags
 .Op Fl eFH
are marked by
 .St -p1003.1-2008
as being optional,
and are not supported by this implementation of
 .Nm mailx .
 .Pp
The flags
 .Op Fl bcdElv
are extensions to the specification.
 .Sh HISTORY
A
 .Nm mail
command appeared in
 .At v3 .
This man page is derived from the
 .%T "Mail Reference Manual"
originally written by Kurt Shoens.

.\Sh BUGS
Usually,
.\Nn mail
and
.\Nn mailx
are just links to
.\Nn Mail ,
which can be confusing.

"OpenBSD: mail0.nr,v 1.4 2004/06/04 00:04:54 jmc Exp $
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A" SUCH DAMAGE.
A"@(#)mail0.nr8.1 (Berkeley) 6/8/93
A".if n {!}
A".po 5n
A".ll 70n
A}
A".eh 'USD:7-%'Mail Reference Manual'
A".oh 'Mail Reference Manual"USD:7-%'
A".if n 
A".nr fs .5v
Mail Reference Manual

Kurt Shoens

Revised by

Craig Leres

and

Mark Andrews

Version 5.5

"OpenBSD: mail6.nr,v 1.6 2006/03/04 16:18:06 miod Exp $

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@(#)mail6.nr	8.2 (Berkeley) 5/16/94

This section describes command line options for 
Mail
and what they are used for.

Send blind carbon copies to list.
Send carbon copies to list of users.
List should be a comma separated list of names.
Show the messages in
instead of your system mailbox. If
is omitted,
reads
in your home directory.
Forces mail to run in interactive mode,
even when input is not a terminal.
In particular, the special \b command character,
used when sending mail, is only available interactively.
Ignore tty interrupt signals.
This is particularly useful when using mail on noisy phone lines.
Suppress the initial printing of headers.
Inhibit reading of /etc/mail.rc upon startup.
.ip "-s string"
Used for sending mail.
.ip "string"
is used as the subject of the message being composed. If
.ip "string" contains blanks, you must surround it with quote marks.
.ip "-u name"
Read
.ip "names's"
mail instead of your own. Unwitting others often neglect to protect
their mailboxes, but discretion is advised. Essentially,
.ip "-u user"
is a shorthand way of doing
.ip "-f /var/mail/user".
.ip "-v"
Use the
.ip "-v"
flag when invoking sendmail. This feature may also be enabled
by setting the option "verbose".
.pp
The following command line flags are also recognized, but are
intended for use by programs invoking
.ip Mail
and not for people.
.ip "-d"
Turn on debugging information. Not of general interest.
.ip "-T file"
Arrange to print on
.ip file
the contents of the
.ip article-id
fields of all messages that were either read or deleted.
.ip "-T
.is for the
.ip readnews
program and should NOT be used for reading your mail.
#$OpenBSD: Makefile,v 1.10 2014/07/22 17:05:45 deraadt Exp $

PROG=mail
SRCS=version.c aux.c cmd1.c cmd2.c cmd3.c cmdtab.c collect.c 
  edit.c fio.c getname.c head.c v7.local.c lex.c list.c main.c names.c 
  popen.c quit.c send.c strings.c temp.c tty.c vars.c
SFILES=mail.help mail.tildehelp
EFILES=mail.rc
LINKS=${BINDIR}/mail ${BINDIR}/Mail ${BINDIR}/mail ${BINDIR}/mailx
MLINKS=mail.1 Mail.1 mail.1 mailx.1
distribution:
cd ${CURDIR}/misc; ${INSTALL} ${INSTALL_COPY} -o root -g wheel \
   -m 644 ${EFILES} ${DESTDIR}/etc

cd ${CURDIR}/misc; ${INSTALL} ${INSTALL_COPY} -o ${BINOWN} -g ${BINGRP} \
   -m 444 ${SFILES} ${DESTDIR}/usr/share/misc

.include <bsd.prog.mk>
"OpenBSD: mail7.nr,v 1.3 2003/06/03 02:56:11 millert Exp $"
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"SUCH DAMAGE.
"@(#)mail7.nr8.1 (Berkeley) 6/8/93
"sh 1 "Format of messages"
"This section describes the format of messages.
Messages begin with a
\textit{From} line, which consists of the word
\texttt{From} followed by a user name, followed by anything, followed by
a date in the format returned by the
\texttt{ctime}
library routine described in section 3 of the Unix Programmer's Manual. A possible
.gt ctime
format date is:
.gt (l
Tue Dec  1 10:58:23 1981
.gt )l
The
.gt ctime
date may be optionally followed by a single space and a
time zone indication, which
should be three capital letters, such as PDT.
.gt
Following the
g from
line are zero or more
"header field"
lines.
Each header field line is of the form:
.gt (l
name: information
.gt )l
Name
can be anything, but only certain header fields are recognized as
having any meaning. The recognized header fields are:
.gt article-id ,
.gt bcc ,
.gt cc ,
.gt from ,
.gt reply-to ,
.gt sender ,
.gt subject ,
and
to .
Other header fields are also significant to other systems; see,
for example, the current Arpanet message standard for much more
information on this topic.
A header field can be continued onto following lines by making the
first character on the following line a space or tab character.
.gt
If any headers are present, they must be followed by a blank line.
The part that follows is called the
.gt body
of the message, and must be ASCII text, not containing null characters.
Each line in the message body must be no longer than 512 characters and
terminated with an ASCII newline character.
If binary data must be passed through the mail system, it is suggested
that this data be encoded in a system which encodes six bits into
a printable character (i.e.: uucode).
For example, one could use the upper and lower case letters, the digits, and the characters comma and period to make up the 64 characters. Then, one can send a 16-bit binary number as three characters. These characters should be packed into lines, preferably lines about 70 characters long as long lines are transmitted more efficiently.

The message delivery system always adds a blank line to the end of each message. This blank line must not be deleted.

The UUCP message delivery system sometimes adds a blank line to the end of a message each time it is forwarded through a machine.

It should be noted that some network transport protocols enforce limits to the lengths of messages.

"OpenBSD: mail9.nr,v 1.8 2009/07/29 18:15:38 martynas Exp $"
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"Summary of commands, options, and escapes"
This section gives a quick summary of the Mail commands, binary and valued options, and tilde escapes.

The following table describes the commands:

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>Same as <code>next</code></td>
</tr>
<tr>
<td>-</td>
<td>Back up to previous message</td>
</tr>
<tr>
<td>?</td>
<td>Print brief summary of <code>Mail</code> commands</td>
</tr>
<tr>
<td>!</td>
<td>Single command escape to shell</td>
</tr>
<tr>
<td>Reply</td>
<td>Reply to author of message only</td>
</tr>
<tr>
<td>Respond</td>
<td>Same as <code>Reply</code></td>
</tr>
<tr>
<td>Type</td>
<td>Type message with ignored fields</td>
</tr>
<tr>
<td>alias</td>
<td>Define an alias as a set of user names</td>
</tr>
<tr>
<td>alternates</td>
<td>List other names you are known by</td>
</tr>
<tr>
<td>chdir</td>
<td>Change working directory, home by default</td>
</tr>
<tr>
<td>copy</td>
<td>Copy a message to a file or folder</td>
</tr>
<tr>
<td>delete</td>
<td>Delete a list of messages</td>
</tr>
<tr>
<td>dp</td>
<td>Same as <code>dt</code></td>
</tr>
<tr>
<td>dt</td>
<td>Delete current message, type next message</td>
</tr>
<tr>
<td>edit</td>
<td>Edit a list of messages</td>
</tr>
<tr>
<td>else</td>
<td>Start of else part of conditional; see <code>if</code></td>
</tr>
<tr>
<td>endif</td>
<td>End of conditional statement; see <code>if</code></td>
</tr>
<tr>
<td>exit</td>
<td>Leave mail without changing anything</td>
</tr>
<tr>
<td>file</td>
<td>Interrogate/change current mail file</td>
</tr>
<tr>
<td>folder</td>
<td>Same as <code>file</code></td>
</tr>
<tr>
<td>folders</td>
<td>List the folders in your folder directory</td>
</tr>
<tr>
<td>from</td>
<td>List headers of a list of messages</td>
</tr>
<tr>
<td>headers</td>
<td>List current window of messages</td>
</tr>
<tr>
<td>help</td>
<td>Same as <code>?</code></td>
</tr>
<tr>
<td>hold</td>
<td>Same as <code>preserve</code></td>
</tr>
<tr>
<td>if</td>
<td>Conditional execution of <code>Mail</code> commands</td>
</tr>
<tr>
<td>ignore</td>
<td>Set/examine list of ignored header fields</td>
</tr>
<tr>
<td>inc</td>
<td>Incorporate new messages</td>
</tr>
<tr>
<td>list</td>
<td>List valid <code>Mail</code> commands</td>
</tr>
<tr>
<td>mail</td>
<td>Send mail to specified names</td>
</tr>
<tr>
<td>mbox</td>
<td>Arrange to save a list of messages in <code>mbox</code></td>
</tr>
<tr>
<td>more</td>
<td>Invoke pager on message list</td>
</tr>
<tr>
<td>next</td>
<td>Go to next message and type it</td>
</tr>
<tr>
<td>preserve</td>
<td>Arrange to leave list of messages in system mailbox</td>
</tr>
<tr>
<td>print</td>
<td>Print messages</td>
</tr>
</tbody>
</table>
The following table describes the options. Each option is shown as being either a binary or valued option.

<table>
<thead>
<tr>
<th>Option</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDITOR</td>
<td>valued</td>
<td>Pathname of editor for ~e and \Bedit\fP</td>
</tr>
<tr>
<td>LISTER</td>
<td>valued</td>
<td>Pathname of directory lister</td>
</tr>
<tr>
<td>MBOX</td>
<td>valued</td>
<td>Pathname of the \Imbox\fP file</td>
</tr>
<tr>
<td>PAGER</td>
<td>valued</td>
<td>Pathname of pager for \BPrint\fP, \Bprint\fP, \BType\fP and \Btype\fP</td>
</tr>
<tr>
<td>SHELL</td>
<td>valued</td>
<td>Pathname of shell for \Bshell\fP, ~! and \B\fP</td>
</tr>
<tr>
<td>VISUAL</td>
<td>valued</td>
<td>Pathname of screen editor for ~v, \Bvisual\fP</td>
</tr>
<tr>
<td>append</td>
<td>binary</td>
<td>Always append messages to end of \Imbox\fP</td>
</tr>
<tr>
<td>ask</td>
<td>binary</td>
<td>Prompt user for Subject: field when sending</td>
</tr>
<tr>
<td>askbcc</td>
<td>binary</td>
<td>Prompt user for additional BCc's at end of message</td>
</tr>
<tr>
<td>askcc</td>
<td>binary</td>
<td>Prompt user for additional Cc's at end of message</td>
</tr>
<tr>
<td>autoinc</td>
<td>binary</td>
<td>Automatically incorporate new mail</td>
</tr>
<tr>
<td>autoprint</td>
<td>binary</td>
<td>Print next message after \Bdelete\fP</td>
</tr>
<tr>
<td>crt</td>
<td>valued</td>
<td>Minimum number of lines before using \BPAGER\fP</td>
</tr>
<tr>
<td>debug</td>
<td>binary</td>
<td>Print out debugging information</td>
</tr>
<tr>
<td>dot</td>
<td>binary</td>
<td>Accept . alone on line to terminate message input</td>
</tr>
<tr>
<td>escape</td>
<td>valued</td>
<td>Escape character to be used instead of \fP</td>
</tr>
</tbody>
</table>
The following table summarizes the tilde escapes available while sending mail.

<table>
<thead>
<tr>
<th>Escape</th>
<th>Arguments</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>~b</td>
<td>name ...</td>
<td>Add names to &quot;blind&quot; Cc: list.</td>
</tr>
<tr>
<td>~c</td>
<td>name ...</td>
<td>Add names to Cc: field.</td>
</tr>
<tr>
<td>~d</td>
<td></td>
<td>Read \dletter\fP into message.</td>
</tr>
<tr>
<td>~e</td>
<td></td>
<td>Invoke text editor on partial message.</td>
</tr>
<tr>
<td>~F</td>
<td>messages</td>
<td>Same as ~f, but includes all headers.</td>
</tr>
<tr>
<td>~f</td>
<td>messages</td>
<td>Read in messages.</td>
</tr>
<tr>
<td>~h</td>
<td></td>
<td>Edit the header fields.</td>
</tr>
<tr>
<td>~M</td>
<td>messages</td>
<td>Same as ~m, but includes all headers.</td>
</tr>
<tr>
<td>~m</td>
<td>messages</td>
<td>Read in messages, right shifted by a tab.</td>
</tr>
<tr>
<td>~p</td>
<td></td>
<td>Print (show) the message buffer.</td>
</tr>
<tr>
<td>~q</td>
<td>file</td>
<td>Abort message; optionally save copy to ~/dead.letter.</td>
</tr>
<tr>
<td>~r</td>
<td>file</td>
<td>Read a file into the message buffer.</td>
</tr>
<tr>
<td>~s</td>
<td>string</td>
<td>Set Subject: field to \fP.</td>
</tr>
<tr>
<td>~t</td>
<td>name ...</td>
<td>Add names to To: field.</td>
</tr>
<tr>
<td>~v</td>
<td></td>
<td>Invoke display editor on message.</td>
</tr>
<tr>
<td>~w</td>
<td>filename</td>
<td>Write message to file.</td>
</tr>
<tr>
<td>~x</td>
<td></td>
<td>Abort message; no copy is saved.</td>
</tr>
<tr>
<td>~?</td>
<td></td>
<td>Print a brief summary of tilde escapes.</td>
</tr>
</tbody>
</table>
The following table shows the command line flags that `Mail` accepts:

<table>
<thead>
<tr>
<th>Flag</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>-b</code></td>
<td>Send blind carbon copies to <code>@list@P</code>.</td>
</tr>
<tr>
<td><code>-c</code></td>
<td>Send carbon copies to <code>@list@P</code>.</td>
</tr>
<tr>
<td><code>-d</code></td>
<td>Turn on debugging</td>
</tr>
<tr>
<td><code>-f</code></td>
<td>Show messages in <code>@/name@P</code> or <code>@/~/mbox@P</code>.</td>
</tr>
<tr>
<td><code>-I</code></td>
<td>Force <code>Mail</code> to run in interactive mode</td>
</tr>
<tr>
<td><code>-i</code></td>
<td>Ignore tty interrupt signals</td>
</tr>
<tr>
<td><code>-N</code></td>
<td>Suppress the initial printing of headers</td>
</tr>
<tr>
<td><code>-n</code></td>
<td>Inhibit reading of <code>/etc/mail.rc</code>.</td>
</tr>
<tr>
<td><code>-s</code></td>
<td>Use <code>@subject@P</code> as subject in outgoing mail.</td>
</tr>
<tr>
<td><code>-T</code></td>
<td>Article-id's of read/deleted messages to <code>@file@P</code>.</td>
</tr>
<tr>
<td><code>-u</code></td>
<td>Read <code>@user@P's</code> mail instead of your own.</td>
</tr>
<tr>
<td><code>-v</code></td>
<td>Invoke sendmail with the <code>-v</code> flag.</td>
</tr>
</tbody>
</table>

Notes:

- `-d` and `-T` are not for human use.

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Mail includes a simple facility for maintaining groups of messages together in folders. This section describes this facility.

To use the folder facility, you must tell Mail where you wish to keep your folders. Each folder of messages will be a single file. For convenience, all of your folders are kept in a single directory of your choosing. To tell Mail where your folder directory is, put a line of the form

```
set folder=letters
```

in your .mailrc file. If, as in the example above, your folder directory does not begin with a '/', Mail will assume that your folder directory is to be found starting from your home directory. Thus, if your home directory is

```
/home/person
```

the above example told Mail to find your folder directory in
Anywhere a file name is expected, you can use a folder name, preceded with `+.' For example, to put a message into a folder with the .b save command, you can use:

```
(l
save +classwork
)l
```
to save the current message in the .i classwork folder. If the .i classwork folder does not yet exist, it will be created. Note that messages which are saved with the .b save command are automatically removed from your system mailbox.

In order to make a copy of a message in a folder without causing that message to be removed from your system mailbox, use the .b copy command, which is identical in all other respects to the .b save command. For example,

```
(l
copy +classwork
)l
```
copies the current message into the .i classwork folder and leaves a copy in your system mailbox.

The .b folder command can be used to direct .i Mail to the contents of a different folder. For example,

```
(l
folder +classwork
)l
```
directs .i Mail to read the contents of the .i classwork folder. All of the commands that you can use on your system mailbox are also applicable to folders, including .b type,
To inquire which folder you are currently editing, use simply:
(l
folder
)l
.pp
To list your current set of folders, use the
.b folders
.command.
.pp
To start
.i Mail
reading one of your folders, you can use the
.b \-f
option described in section 2. For example:
(l
% Mail \-f +classwork
)l
will cause
.i Mail
to read your
.i classwork
folder without looking at your system mailbox.
The `Mail` command has two distinct usages, according to whether one wants to send or receive mail. Sending mail is simple: to send a message to a user whose login name is, say, `root`, use the shell command:

```
% Mail root
```

then type your message. When you reach the end of the message, type an EOT (Control-D) at the beginning of a line, which will cause 
```
 INTERRUPT -- one more to kill letter
```
Typing a second `<Control-C>` causes `Mail` to echo `EOT` and return you to the Shell. When the user you sent mail to next logs in, he will receive the message:

```
You have mail.
```

to alert him to the existence of your message.

If, while you are composing the message you decide that you do not wish to send it after all, you can abort the letter with a `<Control-C>`. Typing a single `<Control-C>` causes causes 
```
 INTERRUPT -- one more to kill letter
```
Typing a second `<Control-C>` causes 
```
 to save your partial letter on the file
```
`dead.letter` in your home directory and abort the letter.

Once you have sent mail to someone, there is no way to undo the act, so be
careful.

The message your recipient reads will consist of the message you typed, preceded by a line telling who sent the message (your login name) and the date and time it was sent.

If you want to send the same message to several other people, you can list their login names on the command line.

Thus,

```
% Mail sam bob john
```

Tuition fees are due next Friday. Don't forget!!

<CRT>"

will send the reminder to sam, bob, and john.

If, when you log in, you see the message,

```
% You have mail.
```

you can read the mail by typing simply:

```
% Mail
```

Mail will respond by typing its version number and date and then listing the messages you have waiting. Then it will type a prompt and await your command. The messages are assigned numbers starting with 1 ∗- you refer to the messages with these numbers.

Mail keeps track of which messages are new (have been sent since you last read your mail) and read (have been read by you). New messages have an N next to them in the header listing and old, but unread messages have a U next to them.

Mail keeps track of new/old and read/unread messages by putting a header field called Status into your messages.
To look at a specific message, use the \b type command, which may be abbreviated to simply \b t. For example, if you had the following messages:
\( (l \backslash N 1 \text{ root} \quad \text{Wed Sep 21 09:21} \quad \text{"Tuition fees"} \backslash N 2 \text{ sam} \quad \text{Tue Sep 20 22:55} \backslash )l \)

you could examine the first message by giving the command:
\( (l \backslash \text{type 1} \backslash )l \)

which might cause \i Mail to respond with, for example:
\( (l \backslash \text{Message 1:} \backslash \text{From root \quad Wed Sep 21 09:21:45 1978} \backslash \text{Subject: Tuition fees} \backslash \text{Status: R} \backslash )l \)

Tuition fees are due next Wednesday. Don't forget!!
\( )l \)

Many \i Mail commands that operate on messages take a message number as an argument like the \b type command. For these commands, there is a notion of a current message. When you enter the \i Mail program, the current message is initially the first one. Thus, you can often omit the message number and use, for example, \( (l \backslash \text{t} \backslash )l \)
to type the current message. As a further shorthand, you can type a message by simply giving its message number. Hence, \( (l \backslash 1 \backslash )l \)
would type the first message.
\( .pp \)

Frequently, it is useful to read the messages in your mailbox in order, one after another. You can read the next message in
by simply typing a newline. As a special case, you can type a newline
as your first command to
.to

to type the first message.
.to

If, after reading a message, you wish to immediately send a reply,
you can do so with the
.tj reply
command.
.tj Reply ,
like
.tj type ,
takes a message number as an argument.
.to

then begins a message addressed to the user who sent you the message.
You may then type in your letter in reply, followed by a \texttt{<Control-D>}
at the beginning of a line, as before.
.to

will type EOT, then type the ampersand prompt to indicate its readiness
to accept another command. In our example, if, after typing the
first message, you wished to reply to it, you might give the command:
.tj

.responds by typing:
.tj

and waiting for you to enter your letter.
You are now in the message collection mode described at the beginning
of this section and
.to

will gather up your message up to a \texttt{<Control-D>}.
Note that it copies the subject
header from the original message. This is useful in that correspondence
about a particular matter will tend to retain the same subject heading,
making it easy to recognize. If there are other header fields in
the message, the information found will also be used.
For example, if the letter had a
.tj "To:"
header listing several recipients,
.to

would arrange to send your reply to the same people as well.
Similarly, if the original message contained a
.tj "Cc:"
Mail would send your reply to those users, too. Mail is careful, though, not too send the message to you, even if you appear in the "To:" or "Cc:" field, unless you ask to be included explicitly. See section 4 for more details.

After typing in your letter, the dialog with Mail might look like the following:

```
reply
To: root
Subject: Tuition fees

Thanks for the reminder
EOT
&
)l
.
```

The `reply` command is especially useful for sustaining extended conversations over the message system, with other listening users receiving copies of the conversation. The `reply` command can be abbreviated to `r`.

Sometimes you will receive a message that has been sent to several people and wish to reply only to the person who sent it. The `Reply` with a capital `R` replies to a message, but sends a copy to the sender only.

If you wish, while reading your mail, to send a message to someone,
but not as a reply to one of your messages, you can send the message
directly with the
   .b mail
command, which takes as arguments the names of the recipients you wish
to send to.  For example, to send a message to
   .q frank,
you would do:
   .l
   mail frank
This is to confirm our meeting next Friday at 4.
EOT
&
   )l
The
   .b mail
command can be abbreviated to
   .b m .
   .pp
Normally, each message you receive is saved in the file
   .i mbox
in your login directory at the time you leave
   .i Mail .
Often,
however, you will not want to save a particular message you
have received because it is only of passing interest.  To avoid
saving a message in
   .i mbox
you can delete it using the
   .b delete
command.  In our example,
   .l
   delete 1
   )l
will prevent
   .i Mail
from saving message 1 (from root) in
   .i mbox .
In addition to not saving deleted messages,
   .i Mail
will not let
you type them, either.  The effect is to make the message disappear
altogether, along with its number.  The
   .b delete
command can be abbreviated to simply
   .b d .
   .pp
Many features of
   .i Mail
can be tailored to your liking with the `.b set` command. The `.b set` command has two forms, depending on whether you are setting a `.i binary` option or a `.i valued` option. Binary options are either on or off. For example, the `.q ask` option informs `.i Mail` that each time you send a message, you want it to prompt you for a subject header, to be included in the message. To set the `.q ask` option, you would type `.l
set ask
.l
.pp
Another useful `.i Mail` option is `.q hold`. Unless told otherwise, `.i Mail` moves the messages from your system mailbox to the file `.i mbox` in your home directory when you leave `.i Mail`. If you want `.i Mail` to keep your letters in the system mailbox instead, you can set the `.q hold` option. `.pp
Valued options are values which `.i Mail` uses to adapt to your tastes. For example, the `.q SHELL` option tells `.i Mail` which shell you like to use, and is specified by `.l
set SHELL=/bin/csh
for example. Note that no spaces are allowed in
"SHELL=/bin/csh."
A complete list of the
Mail
options appears in section 5.

Another important valued option is
crt.
If you use a fast video terminal, you will find that when you
print long messages, they fly by too quickly for you to read them.
With the
crt
option, you can make
Mail
print any message larger than a given number of lines by sending
it through a paging program. This program is specified by the
valued option \BPAGER\.
If \BPAGER\ is not set, a default paginator is used.
For example, most CRT users with 24-line screens should do:

set crt=24

\l
\l
to paginate messages that will not fit on their screens.
In the default state, \morer (default paginator) prints a screenful of
information, then types `byte XXX`, where `XXX` represents the number
of bytes paginated.
Type a space to see the next screenful.

Another adaptation to user needs that
Mail
provides is that of
aliases.
An alias is simply a name which stands for one or more
real user names.
Mail
sent to an alias is really sent to the list of real users
associated with it. For example, an alias can be defined for the
members of a project, so that you can send mail to the whole project
by sending mail to just a single name. The
alias
command in
Mail
defines an alias. Suppose that the users in a project are
named Sam, Sally, Steve, and Susan. To define an alias called
project
for them, you would use the
Mail
command:

`.l
alias project sam sally steve susan
`.l
The
`.b alias
command can also be used to provide a convenient name for someone
whose user name is inconvenient. For example, if a user named
`.q "Bob Anderson"
had the login name
`.q anderson,
you might want to use:
`.l
alias bob anderson
`.l
so that you could send mail to the shorter name,
`.q bob.
`.pp
While the
`.b alias
and
`.b set
commands allow you to customize
`.i Mail ,
they have the drawback that they must be retyped each time you enter
`.i Mail .
To make them more convenient to use,
`.i Mail
always looks for two files when it is invoked. It first reads
a system wide file
`.q /etc/mail.rc,
then a user specific file,
`.q .mailrc,
which is found in the user's home directory.
The system wide file
is maintained by the system administrator and
contains
`.b set
commands that are applicable to all users of the system.
The
`.q .mailrc
file is usually used by each user to set options the way he likes
and define individual aliases.
For example, my .mailrc file looks like this:
`.l
set ask nosave SHELL=/bin/csh
`.l
As you can see, it is possible to set many options in the
same
.b set
commend. The
.q nosave
option is described in section 5.
.pp
Mail aliasing is implemented
at the system-wide level
by the mail delivery
system
.i sendmail.
These aliases are stored in the file /etc/mail/aliases and are
accessible to all users of the system.
The lines in /etc/mail/aliases are of
the form:
(l
alias: name\*<1\*>, name\*<2\*>, name\*<3\*>
.)l
where
.i alias
is the mailing list name and the
.i name\*<i\*>
are the members of the list. Long lists can be continued onto the next
line by starting the next line with a space or tab. Remember that you
must execute the command
.i newaliases
(as superuser)
after editing /etc/mail/aliases since the delivery system
uses an indexed file created by
.i newaliases.
.pp
We have seen that
.i Mail
can be invoked with command line arguments which are people
to send the message to, or with no arguments to read mail.
Specifying the
.rb -f
flag on the command line causes
.i Mail
to read messages from a file other than your system mailbox.
For example, if you have a collection of messages in
the file
.q letters
you can use
.i Mail
to read them with:
(l
% Mail -f letters
You can use all
the
Mail
commands described in this document to examine, modify, or delete
messages from your
letters
file, which will be rewritten when you leave
Mail
with the
quit
command described below.

Since mail that you read is saved in the file
mbox
in your home directory by default, you can read
mbox
in your home directory by using simply
% Mail -f

Normally, messages that you examine using the
type
command are saved in the file
mbox
in your home directory if you leave
Mail
with the
quit
command described below.
If you wish to retain a message in your system mailbox
you can use the
preserve
command to tell
Mail
to leave it there.
The
preserve
command accepts a list of message numbers, just like
type
and may be abbreviated to
pre.

Messages in your system mailbox that you do not examine are
normally retained in your system mailbox automatically.
If you wish to have such a message saved in
mbox
without reading it, you may use the
.b mbox
command to have them so saved. For example,
.(l
mbox 2
.)(l
in our example would cause the second message (from sam)
to be saved in
.i mbox
when the
.b quit
command is executed.
.b Mbox
is also the way to direct messages to your
.i mbox
file if you have set the
.q hold
option described above.
.b Mbox
can be abbreviated to
.b mb .
.pp
When you have perused all the messages of interest, you can leave
.i Mail
with the
.b quit
command, which saves the messages you have typed but not
deleted in the file
.i mbox
in your login directory. Deleted messages are discarded irretrievably,
and messages left untouched are preserved in your system mailbox so
that you will see them the next time you type:
.(l
% Mail
.)(l
The
.b quit
command can be abbreviated to simply
.b q .
.pp
If you wish for some reason to leave
.i Mail
quickly without altering either your system mailbox or
.i mbox ,
you can type the
.b x
command (short for
.b exit ),
which will immediately return you to the Shell without changing anything.

If, instead, you want to execute a Shell command without leaving

Mail, you
can type the command preceded by an exclamation point, just as in the
text editor. Thus, for instance:

```
!date
```

will print the current date without leaving

Mail.

Finally, the

help

command is available to print out a brief summary of the

Mail

commands, using only the single character command abbreviations.
This section contains the definitions of a few phrases peculiar to
Mail.

**alias**
An alternative name for a person or list of people.

**flag**
An option, given on the command line of
Mail, preaced with a \-\. For example,
\-f
is a flag.

**header field**
At the beginning of a message, a line which contains information that is part of the structure of the message. Popular header fields include
\to, \cc, and
\subject.

**mailbox**
The place where your mail is stored, typically in the directory
/var/mail.

**message**
A single letter from someone, initially stored in your
mailbox.

**message list**
A string used in
Mail command mode to describe a sequence of messages.

**option**
A piece of special purpose information used to tailor
Mail to your taste.
Options are specified with the
\set command.
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This section describes some additional commands useful for reading your mail, setting options, and handling lists of messages.

Several Mail commands accept a list of messages as an argument. Along with type and delete, described in section 2, there is the from command, which prints the message headers associated with the message list passed to it. The from command is particularly useful in conjunction with some of the message list features described below.
A "message list" consists of a list of message numbers, ranges, and names, separated by spaces or tabs. Message numbers may be either decimal numbers, which directly specify messages, or one of the special characters

- "^"
- "."
- "$

or "$" to specify the first relevant, current, or last relevant message, respectively.

"Relevant" here means, for most commands

- "not deleted"
- "deleted"

for the undelete command.

A range of messages consists of two message numbers (of the form described in the previous paragraph) separated by a dash. Thus, to print the first four messages, use

```
(type 1\-4)
```

and to print all the messages from the current message to the last message, use

```
(type .\-$)
```

A "name" is a user name. The user names given in the message list are collected together and each message selected by other means is checked to make sure it was sent by one of the named users. If the message consists entirely of user names, then every message sent by one of those users that is "relevant" (in the sense described earlier) is selected. Thus, to print every message sent to you by "root",

```
(type root)
```

and
As a shorthand notation, you can specify simply
.q *
to get every
.i relevant
(same sense)
message. Thus,
.q
.type *
.q
prints all undeleted messages,
.q
delete *
.q
deletes all undeleted messages, and
.q
.undelete *
.q
undeletes all deleted messages.

You can search for the presence of a word in subject lines with
.b / .
For example, to print the headers of all messages that contain the
word
.q PASCAL,
do:
.q
.from /pascal
.q
Note that subject searching ignores upper/lower case differences.

This section describes all the
.i Mail
commands available when
receiving mail.
.ip "$FB\-\rfP\-
command goes to the previous message and prints it. The
.rb \-
command may be given a decimal number
.i n
as an argument, in which case the
.i n th
previous message is gone to and printed.
.ip "$FB?$P\-
Prints a brief summary of commands.
Used to preface a command to be executed by the shell.

Like 
.\b print ,
but also print out ignored header fields. See also \\B\Print and \\B\Retain.
\B\Print can be abbreviated to \B\P.
\ip "\B\Reply or \B\Respond"
Note the capital \B\P in the name.
Frame a reply to one or more messages.
The reply (or replies if you are using this on multiple messages)
will be sent ONLY to the person who sent you the message
(respectively, the set of people who sent the messages you are
replying to).
You can
add people using the \B~t, \B~c, and \B~b
text replacement. The subject in your reply is formed by prefacing the
subject in the original message with
.q "Re:"
unless it already began thus.
If the original message included a
.q "reply-to"
header field, the reply will go
.i only
to the recipient named by
.q "reply-to."
You type in your message using the same conventions available to you
through the
.\b mail
command.
The
.\b Reply
command is especially useful for replying to messages that were sent
to enormous distribution groups when you really just want to
send a message to the originator. Use it often.
\B\Reply (and \B\Respond) can be abbreviated to \B\R.
\ip "\B\Type"
Identical to the
.\b Print
command.
\B\Type can be abbreviated to \B\T.
\ip "\B\Alias"
Define a name to stand for a set of other names.
This is used when you want to send messages to a certain
group of people and want to avoid retyping their names.
For example
.\1
alias project john sue willie kathryn

creates an alias

which expands to the four people John, Sue, Willie, and Kathryn.

If no arguments are given, all currently-defined aliases are printed.
If one argument is given, that alias is printed (if it exists).

`Alias` can be abbreviated to `a`.

`Alternates` can be abbreviated to `alt`.

If you have accounts on several machines, you may find it convenient
to use `/etc/mail/aliases` on all the machines except one to direct
your mail to a single account.

The

`alternates` command is used to inform

`Mail`

that each of these other addresses is really

`you`.

`Alternates` takes a list of user names and remembers that they are all actually you.

When you

`reply`
to messages that were sent to one of these alternate names,

`Mail`

will not bother to send a copy of the message to this other address (which

would simply be directed back to you by the alias mechanism).

If

`alternates`
is given no argument, it lists the current set of alternate names.

`Alternates` is usually used in the .mailrc file.

`Alternates` can be abbreviated to `alt`.

The

`chdir` command allows you to change your current directory.

`Chdir` takes a single argument, which is taken to be the pathname of

the directory to change to. If no argument is given,

`chdir` changes to your home directory.

`Chdir` can be abbreviated to `c`.

The

`copy` command does the same thing that

`save` does, except that it does not mark the messages it is used on
for deletion when you quit. \fBCopy\fP can be abbreviated to \fBco\fP.

\ip "\fBdelete\fP  \ "

Deletes a list of messages. Deleted messages can be reclaimed with the \b undelete command. \fBDelete\fP can be abbreviated to \fBd\fP.

\ip "\fBdp\fP or \fBdt\fP  \ "

These commands delete the current message and print the next message. They are useful for quickly reading and disposing of mail. If there is no next message, \fIMail\fP says ```No more messages.```

\ip "\fBedit\fP  \ "

To edit individual messages using the text editor, the \b edit command is provided. The \b edit command takes a list of messages as described under the \b type command and processes each by writing it into the file Message\c

\i x

where

\i x

is the message number being edited and executing the text editor on it.

When you have edited the message to your satisfaction, write the message out and quit, upon which \i Mail will read the message back and remove the file.

\b Edit can be abbreviated to \b e .

\ip "\fBelse\fP  \ "

Marks the end of the then-part of an \b if statement and the beginning of the part to take effect if the condition of the \b if statement is false.

\ip "\fBendif\fP  \ "

Marks the end of an \b if statement.

\ip "\fBexit\fP or \fBxit\fP  \ "

Leave \i Mail without updating the system mailbox or the file you were reading.
Thus, if you accidentally delete several messages, you can use
  .b exit
to avoid scrambling your mailbox.
\fBExit\fP can be abbreviated to \fBex\fP or \fBx\fP.
  .ip "\fBfile\fP \"
The same as
  .b folder .
\fBFile\fP can be abbreviated to \fBfi\fP.
  .ip "\fBfolder\fP \"
List the names of the folders in your folder directory.
  .ip "\fBfolders\fP \"
The
  .b folder
command switches to a new mail file or folder. With no arguments, it
tells you which file you are currently reading. If you give
it an argument, it will write out changes (such as deletions)
you have made in the current file and read the new file.
Some special conventions are recognized for the name:
  .(b
  .TS
center;
c c
tl a.
Name	Meaning
--
# Previous file read
% Your system mailbox
% name\fIName\fP's system mailbox
& Your ~/mbox file
+ folder A file in your folder directory
  .TE
  .)b
\fBFolder\fP can be abbreviated to \fBfo\fP.
  .ip "\fBfrom\fP \"
The
  .b from
command takes a list of messages and prints out the header lines for each one;
ence
  .(l
from joe
  .)l
is the easy way to display all the message headers from \fI(lqjoe\fR rq
\fBFrom\fP can be abbreviated to \fBf\fP.
  .ip "\fBheaders\fP \"
When you start up
  .i Mail
to read your mail, it lists the message headers that you have.
These headers tell you who each message is from, when they were
received, how many lines and characters each message is, and the
\q "Subject:"
header field of each message, if present. In addition,
\i Mail
tags the message header of each message that has been the object
of the
\b preserve
command with a
\q P.
Messages that have been
\b saved
or
\b written
are flagged with a
\q *
Finally,
\b deleted
messages are not printed at all. If you wish to reprint the current
list of message headers, you can do so with the
\b headers
command. The
\b headers
command (and thus the initial header listing)
only lists the first so many message headers.
The number of headers listed depends on the speed of your
terminal.
\i Mail
maintains a notion of the current
\q window
into your messages for the purposes of printing headers.
Use the
\b z
command to move forward a window,
and
\b z-
to move back a window.
You can move
\i Mail's
notion of the current window directly to a particular message by
using, for example,
\( !
headers 40
\)!
to move
\i Mail's
attention to the messages around message 40.
\fBHeaders\fP can be abbreviated to \fBh\fP.
Print a brief and usually out of date help message about the commands in
 .i Mail .
The
 .i man page for
 .i mail
is usually more up-to-date than either the help message or this manual.
It is also a synonym for \fB?\fP.
 .i "\fBhold\fP \"
Arrange to hold a list of messages in the system mailbox, instead of moving them to the file
 .i mbox
in your home directory. If you set the binary option
 .i hold ,
this will happen by default.
It does not override the \fBdelete\fP command.
\fBHold\fP can be abbreviated to \fBho\fP.
 .i "\fBif\fP \"
Commands in your
 .q .mailrc
file can be executed conditionally depending on whether you are sending or receiving mail with the
 .b if command. For example, you can do:
 .l
 .l if receive
 .l \fIcommands\fP...
 .l endif
 .l
An
 .b else
form is also available:
 .l
 .l if send
 .l \fIcommands\fP...
 .l else
 .l \fIcommands\fP...
 .l endif
 .l
Note that the only allowed conditions are
 .b receive
and
 .b send .
 .i "\fBignore\fP \"
 .b N.B .:
 .i Ignore
has been superseded by
Add the list of header fields named to the
"ignore list".
Header fields in the ignore list are not printed on your
terminal when you print a message. This allows you to suppress
printing of certain machine-generated header fields, such as
"Via"
which are not usually of interest. The
"Type"
and
"Print"
commands can be used to print a message in its entirety, including
ignored fields.
If
"ignore"
is executed with no arguments, it lists the current set of ignored fields.
"inc"
Incorporate any new messages that have arrived while mail is being read.
The new messages are added to the end of the message list,
and the current message is reset to be the first new mail message.
This does not renumber the existing message list, nor does it
cause any changes made so far to be saved.
"list"
List the valid
"Mail"
commands.
"List" can be abbreviated to "L".
"local"
Define a list of local names for this host. This command is useful
when the host is known by more than one name. Names in the list
may be qualified be the domain of the host. The first name on the local
list is the
distinguished
name of the host.
The names on the local list are used by
"Mail"
to decide which addresses are local to the host.
For example:
"local ucbarpa.BERKELEY.ARPA arpa.BERKELEY.ARPA \arpavax.BERKELEY.ARPA r.BERKELEY.ARPA \ucb-arpa.ARPA \"
From this list we see that
"fred@ucbarpa.BERKELEY.ARPA",
"harold@arpa.BERKELEY", and
The local command is usually not used by general users since it is designed for local configuration; it is usually found in the file /usr/lib/Mail.rc.

Send mail to one or more people. If you have the ask option set, Mail will prompt you for a subject to your message. Then you can type in your message, using tilde escapes as described in section 4 to edit, print, or modify your message. To signal your satisfaction with the message and send it, type <Control-D> at the beginning of a line, or a . alone on a line if you set the option dot .

To abort the message, type two interrupt characters (Control-C by default) in a row or use the ~q or ~x escapes.

The mail command can be abbreviated to m.

Indicate that a list of messages be sent to mbox in your home directory when you quit. This is the default action for messages if you do not have the hold option set.

Takes a message list and invokes the pager on that list.

The next command goes to the next message and types it. If given a message list, next goes to the first such message and types it. Thus,

next root

goes to the next message sent by root and types it. The
command can be abbreviated to simply a newline, which means that one can go to and type a message by simply giving its message number or one of the magic characters

```
.q ""'
.q "."
```
or

```
.q "$".
```

Thus,

```
.l
&.
```

prints the current message and

```
.l 4
```

prints message 4, as described previously.

\fBNext\fP can be abbreviated to \fBn\fP.

```
.ip "\fBpreserve\fP\ "
```

Same as

```
.b hold .
```

Cause a list of messages to be held in your system mailbox when you quit.

\fBExclude\fP can be abbreviated to \fBexclude\fP.

```
.ip "\fBprint\fP\ "
```

Print the specified messages. If the

```
.b c\f
```

variable is set, messages longer than the number of lines it indicates are paged through the command specified by the \fBpager\fP variable. The \fBprint\fP command can be abbreviated to \fBprint\fP.

```
.ip "\fBquit\fP\ "
```

Terminates the session, saving all undeleted, unsaved and unwritten messages in the user's \fImbox\fP file in their login directory (messages marked as having been read), preserving all messages marked with \fBhold\fP or \fBpreserve\fP or never referenced in their system mailbox. Any messages that were deleted, saved, written, or saved to \fImbox\fP are removed from their system mailbox. If new mail has arrived during the session, the message

```
"You have new mail"
```

is given. If given while editing a mailbox file with the \fB-f\fP flag, then the edit file is rewritten. A return to the Shell is effected, unless the rewrite of edit file fails, in which case the user can escape with the \fBexit\fP command.

\fBQuit\fP can be abbreviated to \fBq\fP.

```
.ip "\fBreply\fP or \fBrespond\fP\ "
```

Frame a reply to a single message.

The reply will be sent to the person who sent you the message (to which you are replying), plus all the people who received the original message, except you. You can add people using the \fB-t\fP, \fB-c\fP, and \fB-b\fP
tilde escapes. The subject in your reply is formed by prefacing the subject in the original message with
   .q "Re:"
unless it already began thus.
If the original message included a
   .q "reply-to"
header field, the reply will go
   .i only
to the recipient named by
   .q "reply-to."
You type in your message using the same conventions available to you through the
   .b mail
command.
The .Breply\P (and .Brespond\P) command can be abbreviated to .Brp\P.
   .ip "\Brp\P\ "
Add the list of header fields named to the \Pretained list\P.
Only the header fields in the retain list
are shown on your terminal when you print a message.
All other header fields are suppressed.
The
   .b Type
and
   .b Print
commands can be used to print a message in its entirety.
If
   .b retain
is executed with no arguments, it lists the current set of retained fields.
   .ip "\Bre\P\ "
It is often useful to be able to save messages on related topics in a file. The
   .b save
command gives you the ability to do this. The
   .b save
command takes as an argument a list of message numbers, followed by the name of the file in which to save the messages. The messages are appended to the named file, thus allowing one to keep several messages in the file, stored in the order they were put there.
The filename in quotes, followed by the line count and character count is echoed on the user’s terminal.
An example of the
   .b save
command relative to our running example is:
   .(l
   s 1 2 tuitionmail
   .)l
   .b Saved
messages are not automatically saved in
.i mbox
at quit time, nor are they selected by the
.b next
command described above, unless explicitly specified.
\fBSave\fP can be abbreviated to \fBs\fP.
.ip "\fbSaveignore\fP\ "
\fBSaveignore\fP is to \fBSave\fP what \fBignore\fP is to \fBprint\fP
and \fBtype\fR.
Header fields thus marked are filtered out when saving a message
by \fBSave\fP or when automatically saving to \fImbox\fP.
.ip "\fbSaveretain\fP\ "
\fBSaveretain\fP is to \fBSave\fP what \fBretain\fP is to \fBprint\fP
and \fBtype\fR.
Header fields thus marked are the only ones saved with a message
when saving by \fBSave\fP or when automatically saving to \fImbox\fP.
\fBSaveretain\fP overrides \fBSaveignore\fP.
.ip "\fbSet\fP\ "
Set an option or give an option a value.  Used to customize
.i Mail .
Section 5.3 contains a list of the options.  Options can be
.i binary ,
in which case they are
.i on
or
.i off ,
or
.i valued .
To set a binary option
.i option
.i on ,
do
.(1
.set option
)1
To give the valued option
.i option
the value
.i value ,
do
.(1
.set option=value
)1
There must be no space before or after the ``=`" sign.
If no arguments are given, all variable values are printed.
Several options can be specified in a single
.b set
command.
The .b shell command allows you to escape to the shell. `.b Shell invokes an interactive shell and allows you to type commands to it. When you leave the shell, you will return to .i Mail. The shell used is a default assumed by .i Mail; you can override this default by setting the valued option .q SHELL, eg:

```
(l
set SHELL=/bin/csh
)
```

`.BShell` can be abbreviated to `.Bsh`. `.ip "Bsize"` Takes a message list and prints out the size in characters of each message. `.ip "Bsource"` The `.b source` command reads .i mail commands from a file. It is useful when you are trying to fix your .q .mailrc file and you need to re-read it. `.BSource` can be abbreviated to `.Bso`. `.ip "Btop"` The `.b top` command takes a message list and prints the first five lines of each addressed message. If you wish, you can change the number of lines that `.b top` prints out by setting the valued option .q "toplines." On a CRT terminal, `.l
set toplines=10
```
 might be preferred. `.BTop` can be abbreviated to `.Bto`. `.ip "Btype"` Same as `.Bprint`.
Takes a message list and types out each message on the terminal. The `type` command can be abbreviated to `t`.

```
-ip "unalias"
```

Takes a list of names defined by `alias` commands and discards the remembered groups of users. The group names no longer have any significance.

```
-ip "undelete"
```

Takes a message list and marks each message as `not` being deleted.

```
-undelete
```

can be abbreviated to `Bu`.

```
-ip "unread"
```

Takes a message list and marks each message as `not` having been read.

```
-unread
```

can be abbreviated to `BU`.

```
-ip "unset"
```

Takes a list of option names and discards their remembered values; the inverse of `set`.

```
-visual
```

It is often useful to be able to invoke one of two editors, based on the type of terminal one is using. To invoke a display oriented editor, you can use the `visual` command. The operation of the `visual` command is otherwise identical to that of the `edit` command. Both the `edit` and `visual` commands assume some default text editors. The default for `EDITOR` is

```
-i /usr/bin/ex
```

The default for `VISUAL` is

```
-i /usr/bin/vi
```

These default editors can be overridden by the valued options `EDITOR` and `VISUAL` for the standard and screen editors. You might want to do:

```
-ne 2v+un(psue
-sp '\n(psue
```

The default for `EDITOR` is

```
i /usr/bin/ex
```

The default for `VISUAL` is

```
-i /usr/bin/vi
```

These default editors can be overridden by the valued options `EDITOR` and `VISUAL` for the standard and screen editors. You might want to do:
The \texttt{save} command always writes the entire message, including the headers, into the file. If you want to write just the message itself, you can use the \texttt{write} command. The \texttt{write} command has the same syntax as the \texttt{save} command, and can be abbreviated to simply \texttt{w}.

Thus, we could write the second message by doing:

\begin{verbatim}
  w 2 file.c
\end{verbatim}

As suggested by this example, the \texttt{write} command is useful for such tasks as sending and receiving source program text over the message system.

The filename in quotes, followed by additional file information, is echoed on the user's terminal.

Mail presents message headers in windowfuls as described under the \texttt{headers} command. You can move Mail's attention forward to the next window by giving the

\begin{verbatim}
  z+
\end{verbatim}

command. Analogously, you can move to the previous window with:

\begin{verbatim}
  z-
\end{verbatim}

Throughout this manual, we have seen examples of binary and valued options. This section describes each of the options in alphabetical order, including some that you have not seen yet.
To avoid confusion, please note that the options are either all lower case letters or all upper case letters. When I start a sentence such as:
.q "Ask"
causes
.i Mail
to prompt you for a subject header,
I am only capitalizing
.q ask
as a courtesy to English.
.ip "\fBEDITOR\fP\ "
The valued option
.q EDITOR
defines the pathname of the text editor to be used in the
.b edit
command and ~e escape.
If not defined,
.i /usr/bin/ex
is used.
.ip "\fBLISTER\fP\ "
Pathname of the directory lister to use in the \fBfolders\fP command.
Default is \fI/bin/ls\fP.
.ip "\fBMBOX\fP\ "
The name of the \fImbox\fP file.
It can be the name of a folder.
The default is `mbox` in the user's home directory.
.ip "\fBPAGER\fP\ "
Pathname of the program to use for paginating output when it exceeds \fIcrt\fP lines.
A default paginator is used if this option is not defined.
.ip "\fBSHELL\fP\ "
The valued option
.q SHELL
gives the path name of your shell. This shell is used for the
.b !
command and ~! escape. In addition, this shell expands file names with shell metacharacters like * and ? in them.
.ip "\fBVISUAL\fP\ "
The valued option
.q VISUAL
defines the pathname of the screen editor to be used in the
.b visual
command
and ~v escape.
If not defined,
.i /usr/bin/vi
is used.
.ip "\fBappend\fP\ "
The .q append option is binary and causes messages saved in .i mbox to be appended to the end rather than prepended. Normally, \fIMail\fP will put messages in \fImbox\fP in the same order that the system puts messages in your system mailbox. By setting .q append, you are requesting that .i mbox be appended to regardless. It is in any event quicker to append.

.ip "$fBask$iP\ " .q "$Ask" is a binary option which causes .i Mail to prompt you for the subject of each message you send. If you respond with simply a newline, no subject field will be sent.

.ip "$fBaskbcc$iP\ " .q "$Askbcc" is a binary option which causes you to be prompted for additional blind carbon copy recipients at the end of each message. Responding with a newline shows your satisfaction with the current list.

.ip "$fBaskcc$iP\ " .q "$Askcc" is a binary option which causes you to be prompted for additional carbon copy recipients at the end of each message. Responding with a newline shows your satisfaction with the current list.

.ip "$fBautoinc$iP\ " Causes new mail to be automatically incorporated when it arrives. Setting this is similar to issuing the \fBinc\fP command at each prompt, except that the current message is not reset when new mail arrives.

.ip "$fBautoprint$iP\ " .q "$Autoprint" is a binary option which causes the .b delete command to behave like .b dp .\*- thus, after deleting a message, the next one will be typed automatically. This is useful when quickly scanning and deleting messages in your mailbox.

.ip "$fBcrt$iP\ " The valued option
.I crt
is used as a threshold to determine how long a message must
be before.

.b PAGER
is used to read it.

.ip "\fBdebug\fP \ "
The binary option .q debug
causes debugging information to be displayed. Use of this
option is the same as using the \fB-d\fP command line flag.

.ip "\fBdot\fP \ "
.q Dot
is a binary option which, if set, causes
.i Mail
to interpret a period alone on a line as the terminator
of the message you are sending.

.ip "\fBescape\fP \ "
To allow you to change the escape character used when sending
mail, you can set the valued option
 .q escape.
Only the first character of the
.q escape
option is used, and it must be doubled if it is to appear as
the first character of a line of your message. If you change your escape
caracter, then ~ loses all its special meaning, and need no longer be doubled
at the beginning of a line.

.ip "\fBfolder\fP \ "
The name of the directory to use for storing folders of messages.
If this name begins with a `/'
.i Mail
considers it to be an absolute pathname; otherwise, the folder directory
is found relative to your home directory.

.ip "\fBhold\fP \ "
The binary option .q hold
causes messages that have been read but not manually dealt with
to be held in the system mailbox. This prevents such messages from
being automatically swept into your \fImbox\fP file.

.ip "\fBignore\fP \ "
The binary option .q ignore
causes <Control-C> characters from your terminal to be ignored and echoed
as @’s while you are sending mail. <Control-C> characters retain their
original meaning in
.i Mail
command mode.
Setting the
.q ignore
option is equivalent to supplying the
\b \-i
flag on the command line as described in section 6.
\ip "\fBignoreeof\fP \"
An option related to
\q dot
is
\q ignoreeof,
which makes
\i Mail
refuse to accept a <Control-D> as the end of a message.
\q Ignoreeof
also applies to
\i Mail
command mode.
\ip "\fBindentprefix\fP \"
String used by the \fB~m\fP tilde escape for indenting messages,
in place of the normal tab character (`^I').
Be sure to quote the value if it contains spaces or tabs.
\ip "\fBkeep\fP \"
The
\q keep
option causes
\i Mail
to truncate your system mailbox instead of deleting it when it
is empty. This is useful if you elect to protect your mailbox, which
you would do with the shell command:
\(\l$
chmod 600 /var/mail/yourname
\)l
where
\i yourname
is your login name. If you do not do this, anyone can probably read
your mail, although people usually don't.
\ip "\fBkeepsave\fP \"
When you
\b save
a message,
\i Mail
usually discards it when you
\b quit .
To retain all saved messages, set the
\q keepsave
option.
\ip "\fBmetoo\fP \"
When sending mail to an alias,
\i Mail
makes sure that if you are included in the alias, that mail will not
be sent to you. This is useful if a single alias is being used by all members of the group. If however, you wish to receive a copy of all the messages you send to the alias, you can set the binary option \texttt{.q metoo}.

The binary option \texttt{.q noheader} suppresses the printing of the version and headers when \texttt{Mail} is first invoked. Setting this option is the same as using \texttt{.B -N} on the command line.

Normally, when you abort a message with two <Control-C>'s, \texttt{Mail} copies the partial letter to the file \texttt{dead.letter} in your home directory. Setting the binary option \texttt{.q nosave} prevents this.

Reverses the sense of \texttt{reply} and \texttt{Reply} commands.

The binary option \texttt{.q quiet} suppresses the printing of the version when \texttt{Mail} is first invoked, as well as printing the for example \texttt{.B "Message 4:"} from the \texttt{type} command.

If you love to keep records, then the valued option \texttt{.q record} can be set to the name of a file to save your outgoing mail. Each new message you send is appended to the end of the file.

When \texttt{Mail} initially prints the message headers, it determines the number to
print by looking at the speed of your terminal. The faster your terminal, the more it prints.
The valued option .q screen overrides this calculation and specifies how many message headers you want printed.
This number is also used for scrolling with the .b z command.
.ip "|Bsearchheaders|P\ "
If this option is set, then a message-list specifier in the form "/^y/" will expand to all messages containing the substring `y' in the header field `x'.
The string search is case insensitive.
If `x' is omitted, it will default to the "Subject" header field.
The form "/^to:y/" is a special case, and will expand to all messages containing the substring `y' in the "To", "Cc", or "Bcc" header fields.
The check for "to" is case sensitive, so that "/To:y/" can be used to limit the search for `y' to just the "To:" field.
.ip "|Bsendmail|P\ "
To use an alternate mail delivery system, set the .q sendmail option to the full pathname of the program to use. Note: this is not for everyone! Most people should use the default delivery system.
.ip "|Btoplines|P\ "
The valued option .q toplines defines the number of lines that the .q top command will print out instead of the default five lines.
.ip "|Bverbose|P\ "
The binary option "verbose" causes .i Mail to invoke sendmail with the .b \-v flag, which causes it to go into verbose mode and announce expansion of aliases, etc. Setting the "verbose" option is equivalent to invoking .i Mail with the .b \-v flag as described in section 6.

/* $OpenBSD: version.c,v 1.7 2009/10/27 23:59:40 deraadt Exp $*/
/* $NetBSD: version.c,v 1.4 1996/06/08 19:48:46 christos Exp $*/

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*/
/*
* Just keep track of the date/sid of this version of Mail.
* Load this file first to get a "total" Mail version.
*/
const char version[] = "8.1.2 01/15/2001";

---

The following ~ escapes are defined:
~b name ...Add names to "blind" Cc: list.
~c name ...Add names to Cc: field.
~dRead dead.letter into message.
~eInvoke text editor on partial message.
~F messagesSame as ~f, but includes all headers.
~f messagesRead in messages.
~hEdit the header fields.
~M messagesSame as ~m, but includes all headers.
~m messagesRead in messages, right shifted by a tab.
~pPrint (show) the message buffer.
~qAbort message; optionally save copy to ~/dead.letter.
~r file | ~< fileRead a file into the message buffer.
~s stringSet Subject: field to string.
~t name ...Add names to To: field.
Invoke display editor on message.
-w filename Write message to file.
-x Abort message; no copy is saved.
-? Print a brief summary of tilde escapes.
-!command Execute shell command.
-|command Pipe message through command.
>:command | ~_command Execute a Mail command.
-~string Quote a single tilde.
-. Simulate end of file on input.

---

1.380 alsa-tools 1.1.0 1.el7

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Version 2.1, February 1999

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1.382 xorg-x11-font-utils 7.5 21.el7

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The of the start-stop-daemon

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1.388 debianutils 4.4+b1

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1.389 mergo v0.3.8

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import: ../../../../fossene/db/schema/thing.yml
fields:
  site: string
  author: root

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1.390 libclass-c3-perl 0.26-1

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Upstream-Name: Class-C3
Upstream-Contact: Stevan Little, <stevan@iinteractive.com>
Source: https://metacpan.org/release/Class-C3

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1.393 x-text v0.3.2

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zlib   http://www.gzip.org/zlib/zlib_license.html

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krb4

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1.395 zlib 2.4.5-33.el7

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

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

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

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

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

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

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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/* Definitions for BSD assembler syntax for Intel 386
(actually AT&T syntax for insns and operands,
adapted to BSD conventions for symbol names and debugging.)
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/* Use the Sequent Symmetry assembler syntax. */

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

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

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

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

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

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

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) 
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\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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<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) year name of author
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Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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#!/usr/bin/python
#
# Copyright (C) 2013-2018 Free Software Foundation, Inc.
#
# This script is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3, or (at your option)
# any later version.
#
# This script adjusts the copyright notices at the top of source files
# so that they have the form:
#
#   Copyright XXXX-YYYY Free Software Foundation, Inc.
#
# It doesn't change code that is known to be maintained elsewhere or
# that carries a non-FSF copyright.
#
# The script also doesn't change testsuite files, except those in
# libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
# while most tests in other directories are just things that failed at some
# point in the past.
#
# Pass --this-year to the script if you want it to add the current year
# to all applicable notices. Pass --quilt if you are using quilt and
# want files to be added to the quilt before being changed.
#
# By default the script will update all directories for which the
# output has been vetted. You can instead pass the names of individual
# directories, including those that haven't been approved. So:
#
# update-copyright.py --this-year
#
# is the command that would be used at the beginning of a year to update
# all copyright notices (and possibly at other times to check whether
# new files have been added with old years). On the other hand:
#
# update-copyright.py --this-year libitm
#
# would run the script on just libitm/.
#
# Note that things like --version output strings must be updated before
# this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess
class Errors:
    def __init__(self):
        self.num_errors = 0

    def report(self, filename, string):
        if filename:
            string = filename + ':' + string
        sys.stderr.write(string + '
')
        self.num_errors += 1

    def ok(self):
        return self.num_errors == 0

class GenericFilter:
    def __init__(self):
        self.skip_files = set()
        self.skip_dirs = set()
        self.skip_extensions = set()
        self.fossilised_files = set()
        self.own_files = set()

        self.skip_files |= set(['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
            'config.sub',
            'depcomp',
            'install-sh',
            'libtool.m4',
            'ltmain.sh',
            'ltobtsions.m4',
            'ltutil.m4',
            'ltversion.m4',
            'lt~obsolete.m4',
            'missing',
        '])
'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

# Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

# Skip imported texinfo files.
'texinfo.tex',
)

```python
def get_line_filter(self, dir, filename):
    if filename.startswith('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile(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
```

**Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.755675**
return False

def skip_dir (self, dir, subdir):
    return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
    if filename in self.fossilised_files:
        return True
    # Only touch current current ChangeLogs.
    if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
        return True
    return False

def by_package_author (self, dir, filename):
    return filename in self.own_files

class Copyright:
    def __init__ (self, errors):
        self.errors = errors

        # Characters in a range of years. Include '.' for typos.
        ranges = '[0-9](?:\[-0-9,.,\s\]|\s+and\s+)*[0-9]'

        # Non-whitespace characters in a copyright holder's name.
        name = '\[\w.,-\]'

        # Matches one year.
        self.year_re = re.compile ('[0-9]+')

        # Matches part of a year or copyright holder.
        self.continuation_re = re.compile (ranges + '|' + name)

        # Matches a full copyright notice:
        self.copyright_re = re.compile (  # 1: 'Copyright (C)', etc.
            '((C)opyright'  # 1: 'Copyright (C)', etc.
            '\[(C)opyright\s+\|((C)\)]'  # 1: 'Copyright (C)', etc.
            '\[(C)opyright\s+%s'  # 1: 'Copyright (C)', etc.
            '\[(C)opyright\s+&copy;'  # 1: 'Copyright (C)', etc.
            '\[(C)opyright\s+@copyright\{\} '  # 1: 'Copyright (C)', etc.
            '\{copyright = u" '  # 1: 'Copyright (C)', etc.
            '\}@set\s+copyright[\w-]+) '  # 1: 'Copyright (C)', etc.

            # 2: the years. Include the whitespace in the year, so that
            # we can remove any excess.
            '\s*(?:\.' + ranges + '\.',')'  # 2: the years. Include the whitespace in the year, so that
            '\@value\{[^{}]*\}\s*')  # 2: the years. Include the whitespace in the year, so that
# 3: 'by ', if used
'(by\s+)?'

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

# A regexp for notices that might have slipped by. Just matching
# 'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
# HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
    re.IGNORECASE)
self.comment_re = re.compile('#+|[*]+|;+|%+|//+|@c |dnl ',
    re.IGNORECASE)
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

# True to 'quilt add' files before changing them.
self.use_quilt = False

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

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

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

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

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

    def __str__ (self):
        return 'unrecognised year: ' + self.year

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

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

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

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

def canonicalise_years (self, dir, filename, filter, years):
    # Leave texinfo variables alone.
    if years.startswith ('@value):
        return years
    (min_year, max_year) = self.year_range (years)

    # Update the upper bound, if enabled.
    if self.max_year and not filter.is_fossilised_file (dir, filename):
        max_year = max (max_year, self.max_year)

    # Use a range.
    if min_year == max_year:
        return '%d' % min_year
    else:
        return '%d-%d' % (min_year, max_year)

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

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

---

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

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

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

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

        holder = match.group(4)

        # Use the filter to test cases where markup is getting in the way.
        if filter.by_package_author(dir, filename):
            assert holder not in self.holders
        elif not holder:
            self.errors.report(pathname, 'missing copyright holder')
            return (False, orig_line, next_line)
elif holder not in self.holders:
    self.errors.report (pathname,
                      
                      'unrecognised copyright holder: '+holder)
    return (False, orig_line, next_line)

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

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

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

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

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

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

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

    return (line != orig_line, line, next_line)

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

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

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

        # If something changed, write the new file out.
        if changed and self.errors.ok():
            tmp_pathname = pathname + '.tmp'
            with open(tmp_pathname, 'w') as file:
                for line in lines:
                    file.write(line)
                os.fchmod(file.fileno(), mode)
                if self.use_quilt:
                    subprocess.call(['quilt', 'add', pathname])
                    os.rename(tmp_pathname, pathname)

    def process_tree(self, tree, filter):
        for (dir, subdirs, filenames) in os.walk(tree):
# Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
    if filter.skip_dir (dir, subdirs[i]):
        del subdirs[i]

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

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

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

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

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

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

        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
            sys.stdout.write (format % dir)
if i % 3 == 0 or i == len(self.dirs):
    sys.stdout.write(dir + '\n')
else:
    sys.stdout.write(format % dir)
sys.exit(0)

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

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

def main(self):
    for arg in sys.argv[1:]:
        if arg[:1] != '-':
            self.chosen_dirs.append(arg)
elif arg in self.option_handlers:
            self.option_handlers[arg](arg)
        else:
            self.errors.report(None, 'unrecognised option: ' + arg)
if self.errors.ok():
    if len(self.chosen_dirs) == 0:
        self.chosen_dirs = self.default_dirs
    if len(self.chosen_dirs) == 0:
        self.o_help()
else:
    for chosen_dir in self.chosen_dirs:
        canon_dir = os.path.join(chosen_dir, '')
        count = 0
        for (dir, filter) in self.dirs:
            if (dir + os.sep).startswith(canon_dir):
                count += 1
        self.copyright.process_tree(dir, filter)
    if count == 0:
        self.errors.report(None, 'unrecognised directory: ' + chosen_dir)
        sys.exit(0 if self.errors.ok() else 1)

#----------------------------------------------------------------------------
class TopLevelFilter(GenericFilter):
    def skip_dir(self, dir, subdir):
        return True

class ConfigFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
def skip_file(self, dir, filename):
    if filename.endswith('.m4'):
        pathname = os.path.join(dir, filename)
        with open(pathname) as file:
            # Skip files imported from gettext.
            if file.readline().find('gettext-') >= 0:
                return True
        return GenericFilter.skip_file(self, dir, filename)

class GCCFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_files |= set([
            # Not part of GCC
            'math-68881.h',
        ])
        self.skip_dirs |= set([
            # Better not create a merge nightmare for the GNAT folks.
            'ada',
            # Handled separately.
            'testsuite',
        ])
        self.skip_extensions |= set([
            # Maintained by the translation project.
            '.po',
            # Automatically-generated.
            '.pot',
        ])
        self.fossilised_files |= set([
            # Old news won't be updated.
            'ONEWS',
        ])

class TestsuiteFilter(GenericFilter):
    def __init__(self):
        GenericFilter.__init__(self)
        self.skip_extensions |= set([
            # Don't change the tests, which could be woend by anyone.
            '.c',
            '.C',
            '.cc',
        ])

Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.755684
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 (
            ['d',
             'h',
             'hs',
             'f',
             'f90',
             'go',
             'inc',
             'java',
             ]
        )

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

        self.skip_dirs |= set (
            ['soft-fp',
             ]
        )

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

        self.skip_files |= set ([]}
# Source module imported from upstream.

'object.d',

)

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

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

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

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

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

            # Contains imported images
            'images',
        ]

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

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

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

---
cannon_fsf = 'Free Software Foundation, Inc.'
self.add_package_author ('Free Software Foundation', cannon_fsf)
self.add_package_author ('Free Software Foundation.', cannon_fsf)
self.add_package_author ('Free Software Foundation Inc.', cannon_fsf)
self.add_package_author ('Free Software Foundation, Inc', cannon_fsf)
self.add_package_author ('Free Software Foundation, Inc.', cannon_fsf)
self.add_package_author ('The Free Software Foundation', cannon_fsf)
self.add_package_author ('The Free Software Foundation, Inc', cannon_fsf)
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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.')
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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 ('gnatools')
self.add_dir ('gotools')
self.add_dir ('include')
# intl is imported from upstream.
self.add_dir ('libada')
self.add_dir ('libatomic')
self.add_dir ('libbacktrace')
self.add_dir ('libcc1')
self.add_dir ('libc', LibCppFilter())
self.add_dir ('libdecnumber')
# libffi is imported from upstream.
self.add_dir ('libgcc', LibGCCFilter())
self.add_dir ('libfortran')
# libgo is imported from upstream.
self.add_dir ('libgomp')
self.add_dir ('libhsail-rt')
self.add_dir ('libiberty')
self.add_dir ('libitm')
self.add_dir ('libobjc')
# liboffloadmic is imported from upstream.
self.add_dir ('libphobos', LibPhobosFilter())
self.add_dir ('libquadmath')
# libsanitizer is imported from upstream.
self.add_dir ('libssp')
self.add_dir ('libstdc++-v3', LibStdCxxFilter())
self.add_dir ('libvtv')
self.add_dir ('lto-plugin')
# maintainer-scripts maintainer-scripts
# zlib is imported from upstream.

self.default_dirs = [
    'gcc',
    'include',
    'libada',
    'libatomic',
    'libbacktrace',
    'libcc1',
    'libc',
    'libdecnumber',
    'libgcc',
    'libfortran',
    'libgomp',
    'libhsail-rt',
    'libiberty',
GCCCmdLine().main()
\emph{%(tool)s, The %(name)s Development Environment}

\emph{%(edition)s}

\begin{DUlineblock}{0em}
\item Version \%(version)s
\item Date: \%(date)s
\end{DUlineblock}

AdaCore

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

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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
</thead>
<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

**DRuntime: Runtime Library for the D Programming Language**

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{Automatically generated by Pod::Man 4.11 (Pod::Simple 3.35)

{Standard preamble:

{=======================================================================

{de Sp Vertical space (when we can't use .PP)

{if t .sp .5v
{if n .sp

{de Vb Begin verbatim text

{ft CW
{nf
{ne \$1

{de Ve End verbatim text

{ft R
{fi

{Set up some character translations and predefined strings. \{-- will
\{ give an unbreakable dash, \{PI will give pi, \{L" will give a left
\{ double quote, and \{R" will give a right double quote. \{C+ will
\{ give a nicer C++. Capital omega is used to do unbreakable dashes and
\{ therefore won't be available. \{C` and \{C' expand to `' in nroff,
\{ nothing in troff, for use with C<>. 

{tr \{W-
{ds C+ C\{\{1v\{h\{1p\{s-2+h\{1p'+\{s0\{v\{1v\{h\{1p'
{ie n \{
{ . ds -- \{W-
{ . ds PI pi
{ . if \{\(\{H=4u)\&(1m=24u) . ds -- \{W\{h\{12u\{(*W\{h\{12u\}\{\}\{ diablo 10 pitch
{ . if \{\(\{H=4u)\&(1m=20u) . ds -- \{W\{h\{12u\{(*W\{h\{8u\}\{\} diablo 12 pitch
{ . ds L" "
{ . ds R" "
{ . ds C` "
{ . ds C' "
{br\}
{efl}
{ . ds -- \{em\}
{ . ds PI \{p
Escape single quotes in literal strings from groff's Unicode transform.

If the F register is >0, we'll generate index entries on stderr for titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index entries marked with X<> in POD. Of course, you'll have to process the output yourself in some meaningful fashion.

Avoid warning from groff about undefined register 'F'.

Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).

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fudge factors for nroff and troff

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SEE ALSO

`gfdl(7)`, `fsf-funding(7)`.

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1.418 gcc 4.8.5-16.el7
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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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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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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or
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You must give prominent notice with each copy of the work that the
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during execution displays copyright notices, you must include the
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directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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that the user who changes the contents of definitions files in the
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to use the modified definitions.)

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

c) Accompany the work with a written offer, valid for at
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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
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e) Verify that the user has already received a copy of these
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Version 3, 29 June 2007
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The precise terms and conditions for copying, distribution and
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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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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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Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
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A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

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@appendixsubsec Preamble

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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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@end enumerate

@end iftex
@end ifinfo
@end page
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```plaintext
@example
@var{one line to give the library's name and an idea of what it does.}
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```plaintext
@example
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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end example

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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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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 (doss@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(agt@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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Developed by:

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1.419 libsepol 2.5-4.el7

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1.425 postgre-sql 9.6.3

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PostgreSQL Database Management System
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Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.755966
Notice and warning messages generated by the server are not returned by the query execution functions, since they do not imply failure of the query. Instead they are passed to a notice handling function, and execution continues normally after the handler returns. The default notice handling function prints the message on \[<TT CLASS="FILENAME">stderr</TT]\], but the application can override this behavior by supplying its own handling function.

For historical reasons, there are two levels of notice handling, called the notice receiver and notice processor. The default behavior is for the notice receiver to format the notice and pass a string to the notice processor for printing. However, an application that chooses to provide its own notice receiver will typically ignore the notice processor layer and just do all the work in the notice receiver.

The function \[<CODE CLASS="FUNCTION">PQsetNoticeReceiver</CODE>\] sets or examines the current notice receiver for a connection object. Similarly, \[<CODE CLASS="FUNCTION">PQsetNoticeProcessor</CODE>\] sets or examines the current notice processor.
typedef void (*PQnoticeReceiver) (void *arg, const PGresult *res);

PQnoticeReceiver
PQsetNoticeReceiver(PGconn *conn,
        PQnoticeReceiver proc,
        void *arg);

typedef void (*PQnoticeProcessor) (void *arg, const char *message);

PQnoticeProcessor
PQsetNoticeProcessor(PGconn *conn,
        PQnoticeProcessor proc,
        void *arg);

Each of these functions returns the previous notice receiver or processor function pointer, and sets the new value. If you supply a null function pointer, no action is taken, but the current pointer is returned.

When a notice or warning message is received from the server, or generated internally by libpq, the notice receiver function is called. It is passed the message in the form of a PGRES_NONFATAL_ERROR. (This allows the receiver to extract individual fields using PQresultErrorField, or obtain a complete preformatted message using PQresultErrorMessage or PQresultVerboseErrorMessage.) The same
void pointer passed to <CODE CLASS="FUNCTION">PQsetNoticeReceiver</CODE> is also passed. (This pointer can be used to access application-specific state if needed.)

The default notice receiver simply extracts the message (using <CODE CLASS="FUNCTION">PQresultErrorMessage</CODE>) and passes it to the notice processor.

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

The default notice processor is simply:

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

Once you have set a notice receiver or processor, you should expect that that function could be called as long as either the <TT CLASS="STRUCTNAME">PGconn</TT> object or <TT CLASS="STRUCTNAME">PGresult</TT> objects made from it exist. At creation of a <TT CLASS="STRUCTNAME">PGconn</TT> object or <TT CLASS="STRUCTNAME">PGresult</TT> objects made
>PGresult</TT>
>the
<TT
CLASS="STRUCTNAME"
>PGconn</TT>
>'s current notice handling pointers are copied
into the <TT
CLASS="STRUCTNAME"
>PGresult</TT>
> for possible use by functions like
CODE
CLASS="FUNCTION"
>PQgetvalue</CODE
>
).
</P
></DIV
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<thead>
<tr>
<th>Miscellaneous Functions</th>
<th>Up</th>
<th>Event System</th>
</tr>
</thead>
</table>

```diff
diff -c -r bsd_indent/Makefile pg_bsd_indent/Makefile
*** bsd_indent/Makefile	Wed Oct 26 17:13:34 2011
--- pg_bsd_indent/Makefile	Wed Oct 12 12:17:12 2011
***************
*** 2,10 ****
# Makefile
#
#
! TARGET = indent
XFLAGS = -Wall -D __RCSID="static char *rcsid=" -D __COPYRIGHT="static char *copyright="
! CFLAGS = -g
LIBS =

$(TARGET) : args.o indent.o io.o lexi.o parse.o pr_comment.o
--- 2,10 ----
```
# Makefile
#
#
! TARGET = pg_bsd_indent
XFLAGS = -Wall -D__RCSID="static char *rcsid=" -D__COPYRIGHT="static char *copyright="
! CFLAGS = -O
LIBS =

$(TARGET) : args.o indent.o io.o lexi.o parse.o pr_comment.o

***************
*** 31,37 ****
clean:
rm -f *.o $(TARGET) log core

! install:
! make clean
! make CFLAGS=-O
install -s -o bin -g bin $(TARGET) /usr/local/bin
--- 31,35 ----
clean:
rm -f *.o $(TARGET) log core

! install: $(TARGET)
install -s -o bin -g bin $(TARGET) /usr/local/bin
diff -c -r bsd_indent/README pg_bsd_indent/README
*** bsd_indent/README	Wed Oct 26 17:13:34 2011
--- pg_bsd_indent/README	Mon Nov 14 19:30:24 2005
***************
*** 1,3 ****
--- 1,13 ----
+
+ This patch is from NetBSD current, 2005-11-14. It contains all the
+ patches need for its use in PostgreSQL.
+
+ bjm
+
+ +---------------------------------------------------------------------------------------------------
+
+
+ This is the C indenter, it originally came from the University of Illinois
via some distribution tape for PDP-11 Unix. It has subsequently been
hacked upon by James Gosling @ CMU. It isn't very pretty, and really needs
diff -c -r bsd_indent/args.c pg_bsd_indent/args.c
*** bsd_indent/args.cWed Oct 26 17:13:34 2011
--- pg_bsd_indent/args.cWed Oct 26 17:16:56 2011
***************
*** 83,88 ****
#include <string.h>
#include "indent_globs.h"

+#define INDENT_PG_VERSION "1.1"
+
/* profile types */
#define PRO_SPECIAL 1 /* special case */
#define PRO_BOOL 2 /* boolean */
***************
*** 99,106 ****
--- 101,113 ----
#define STDIN 3 /* use stdin */
#define KEY 4 /* type (keyword) */

+ #define KEY_FILE 5 /* only used for args */
+ #define VERSION 6 /* only used for args */
+
char *option_source = "?";

+ void add_typedefs_from_file(char *str);
+
/*
 * N.B.: because of the way the table here is scanned, options whose names are
 * substrings of other options must occur later; that is, with -lp vs -l, -lp

***************
*** 118,123 ****
--- 125,136 ----
"T", PRO_SPECIAL, 0, KEY, 0
 },
  {
+  "U", PRO_SPECIAL, 0, KEY_FILE, 0
+  },
+  {
+  "V", PRO_SPECIAL, 0, VERSION, 0
+  },
+  {
"bacc", PRO_BOOL, false, ON, &blanklines_around_conditional_compilation
  },
  { ***************
*** 425,430 ****
--- 438,456 ----
}
break;

+ case KEY_FILE:
+ if (*param_start == 0)
+ goto need_param;
+ add_typedefs_from_file(param_start);
+ break;
+
+ case VERSION:
+ { 
+ printf("pg_bsd_indent %s\n", INDENT_PG_VERSION);
+ exit(0);
+ }
+ break;
+
+ default:
fprintf(stderr, "\nindent: set_option: internal error: p_special %d\n", p->p_special);

***************
*** 459,461 ****
--- 485,508 ----
exit(1);
}
}
+
+ void
+ add_typedefs_from_file(char *str)
+ { 
+ FILE *file;
+ char line[BUFSIZ];
+
+ if ((file = fopen(param_start, "r")) == NULL)
+ { 
+ fprintf(stderr, "indent: cannot open file %s\n", str);
+ exit(1);
+ }
+
+ while ((fgets(line, BUFSIZ, file)) != NULL)
+ { 
+ /* Remove trailing whitespace */
+ *(line + strcspn(line, " \t\n\r")) = '\0';
+ addkey(strdup(line), 4);
+ }
+ fclose(file);
+ }

Only in pg_bsd_indent: args.o
Only in pg_bsd_indent: indent.bsd.patch
Only in pg_bsd_indent: indent.o
 diff -c -r bsd_indent/indent_globs.h pg_bsd_indent/indent_globs.h
*** bsd_indent/indent_globs.hWed Oct 26 17:13:34 2011
--- bsd_indent/indent_globs.hMon Nov 14 19:30:24 2005

***************
scomf, /* Same line comment font */
bodyf, /* major body font */

! #define STACK_SIZE 150

EXTERN struct parser_state {
  int last_token;
--- 239,249 ----
  scomf, /* Same line comment font */
  bodyf, /* major body font */

! /*
  * This controls the maximum number of 'else if' clauses supported.
  * If it is exceeded, comments are placed in column 100.
  */
! #define STACK_SIZE 1000

EXTERN struct parser_state {
  int last_token;
  Only in pg_bsd_indent: io.o
  diff -c -r bsd_indent/lexi.c pg_bsd_indent/lexi.c
*** bsd_indent/lexi.c     Wed Oct 26 17:13:34 2011
--- pg_bsd_indent/lexi.c  Mon Nov 14 19:30:24 2005
***************
*** 93,99 ****
  int rwcode;
};

! struct templ specials[1000] =
  {
  "switch", 1},
  "case", 2},
--- 93,99 ----
  int rwcode;
};

! struct templ specials[16384] =
  {
  "switch", 1},
  "case", 2},
***************
*** 622,629 ****
else
p++;
if (p >= specials + sizeof specials / sizeof specials[0])
  return; /* For now, table overflows are silently
  * ignored */
p->rwd = key;
p->rwcode = val;
p[1].rwd = 0;
--- 622,632 ----
else
  p++;
if (p >= specials + sizeof specials / sizeof specials[0])
    { 
      fprintf(stderr, "indent: typedef table overflow\n");
      exit(1);
      }
    
  p->rwd = key;
p->rwcode = val;
p[1].rwd = 0;

Only in pg_bsd_indent: lexi.o
diff -c -r bsd_indent/parse.c pg_bsd_indent/parse.c
 *** bsd_indent/parse.c Wed Oct 26 17:13:34 2011
--- pg_bsd_indent/parse.c Mon Nov 14 19:30:24 2005
  ***************
  *** 231,236 ****
  --- 231,241 ----
}/* end of switch */

+ if (ps.tos >= STACK_SIZE) {
+   fprintf(stderr, "indent: stack size overflow\n");
+   exit(1);
+ } 
+ 
+ reduce();/* see if any reduction can be done */

#ifdef debug
Only in pg_bsd_indent: parse.o
diff -c -r bsd_indent/pr_comment.c pg_bsd_indent/pr_comment.c
 *** bsd_indent/pr_comment.c Wed Oct 26 17:13:34 2011
--- pg_bsd_indent/pr_comment.c Mon Nov 14 19:30:24 2005
  ***************
  *** 148,154 ****
  --- 148,158 ----
ps.box_com = true;
ps.com_col = 1;
} else {
  if (*buf_ptr == '-' || *buf_ptr == '*' || *buf_ptr == '\n') { 
    ps.box_com = true;/* a comment with a '-', '*' or
* newline immediately
* after the start comment is
--- 148,158 ----
ps.box_com = true;
ps.com_col = 1;
} else {
! /*
! * Don't process \n' or every comment is treated as a
! * block comment, meaning there is no wrapping.
! */
! if (*buf_ptr == '-' || *buf_ptr == '*') {
ps.box_com = true; /* a comment with a '-', '*'
* or newline immediately
* after the start comment is
***************
*** 328,333 ****
--- 332,350 ----
goto end_of_comment;
} while (*buf_ptr == ' ' || *buf_ptr == '\n');
+
+ /* If there is a blank comment line, we need to prefix
+ * the line with the same three spaces that '/'* " takes up.
+ * Without this code, blank stared lines in comments have
+ * three too-many characters on the line when wrapped.
+ */
+ if (s_com == e_com) {
+   *e_com++ = ' '/* add blanks for continuation */
+   *e_com++ = ' ';
+   *e_com++ = ' ';
+   now_col += 3;
+ }
} else
  if (++buf_ptr >= buf_end)
    fill_buffer();
Only in pg_bsd_indent: pr_comment.o

1.426 linux-kernel 3.10.0-1062.12.1.el7
1.426.1 Available under license :

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Version 1.0

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)*/
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* 
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
* 
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*
* M. Welsh, 6 July 1996
*
* */
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QLogic Linux Networking HBA Driver

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for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for the nxt2004 frontend driver

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single nxt200x frontend driver.

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Linus Torvalds

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1.427 pycurl 7.19.0-19.el7

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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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Julian Seward, jseward@bzip.org
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.. _history-and-license:

*******************
History and License
*******************

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

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

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

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

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

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<td>2002</td>
<td>PSF</td>
<td>yes</td>
</tr>
<tr>
<td>2.2 and above</td>
<td>2.1.1</td>
<td>2001-now</td>
<td>PSF</td>
<td>yes</td>
</tr>
</tbody>
</table>

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Mersenne Twister

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

The `module` "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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email: m-mat @ math.sci.hiroshima-u.ac.jp (remove space)

Sockets
-------

The :mod:`socket` module uses the functions, :func:`getaddrinfo`, and
:func:`getnameinfo`, which are coded in separate source files from the WIDE

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

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

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

Solution inspired by code from:
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Jean-Philippe Aumasson (https://131002.net/siphash/siphash24.c)

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

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

cfuhash
-------

The implementation of the hash table used by the :mod:`tracemalloc` is based on the cfuhash project:

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libmpdec
--------

The :mod:`_decimal` module is built using an included copy of the libmpdec library unless the build is configured `--with-system-libmpdec`:

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Python was created in the early 1990s by Guido van Rossum at Stichting
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as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations, which became
Zope Corporation. In 2001, the Python Software Foundation (PSF, see
https://www.python.org/psf/) was formed, a non-profit organization
created specifically to own Python-related Intellectual Property.
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<signature of Ty Coon>, 1 April 1989
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The End

1.445 effective-tld-names 2.62.2-2.el7
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That's all there is to it!

1.446 yum 3.4.3-154.el7.centos

1.446.1 Available under license:

```
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))
        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

diff -up yum-3.4.3/yum/update_md.py.old yum-3.4.3/yum/update_md.py
+++ yum-3.4.3/yum/update_md.py 2015-05-28 19:24:05.971806965 +0200
@@ -33,6 +33,7 @@ import Errors
import logginglevels
import rpmUtils.miscutils
+from rpmUtils.arch import ArchStorage

def safe_iterparse(filename, logger=None):
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    Version 2, June 1991

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diff -up yum-3.4.3/yum/update_md.py.org yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.org 2017-01-24 18:55:03.529842775 +0100
@@ -58,7 +58,7 @@ class UpdateNotice(object):
A single update notice (for instance, a security fix).

-    def __init__(self, elem=None):

***

-    def __init__(self, elem=None):
```python
    def __init__(self, elem=None, repoid=None, vlogger=None):
        self._md = {
            'from': '',
            'type': '',
@@ -83,6 +83,9 @@ class UpdateNotice(object):
            self._repoid = repoid
            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
+        msg = _('Duplicate of %s differs in some fields:
')
+        msg += '<<<<<<< %s:%s
' % (_rid(other), data)
+        msg += '%r
=======
%r
' % (other._md[data], self._md[data])
+        msg += '>>>>>>> %s:%s' % (_rid(self), data)
+        # --verbose mode enables this
+        self._vlogger.log(logginglevels.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
            if self._md[data] != other._md[data]:
+                _log_failure(data)
                return False
            # FIXME: Massive hack, Fedora is really broken and gives status=stable
@@ -120,8 +142,10 @@ class UpdateNotice(object):
            return False
        # FIXME: Massive hack, Fedora is really broken and gives status=stable
        # and status=testing for updateinfo notices, just depending on which
@@ -129,6 +151,7 @@ class UpdateNotice(object):
                return False
            # FIXME: Massive hack, Fedora is really broken and gives status=stable
            # and status=testing for updateinfo notices, just depending on which
```

---

**Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.756281**
data = 'status'
if self._md[data] != other._md[data]:
    if self._md[data] not in ('stable', 'testing'):
        _log_failure(data)
        return False
    if other._md[data] not in ('stable', 'testing'):
        _log_failure(data)
        return False
# They are both really "stable" ...
self._md[data] = 'stable'
@@ -574,7 +598,7 @@ class UpdateMetadata(object):
    if elem.tag == 'update':
        try:
            - un = UpdateNotice(elem)
@@ -587,6 +611,8 @@ class UpdateMetadata(object):
                msg = _("Update notice %s%s 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 %s repository.") % _rid(repoid, "%s ")
            have_dup = True
        if self._vlogger:
            self._vlogger.warn("%s", msg)

1.447 jackson-module-paranamer 2.9.4
1.447.1 Available under license:

# Jackson JSON processor

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

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1.448 config 1.3.1

1.449 kmod 20 9.el7

1.449.1 Available under license :

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Version 2.1, February 1999

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1.452 libmodule-build-perl 0.421000-2+deb8u1

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use lib 't/lib';
use MBTest;
use DistGen;

if (eval { require CPAN::Meta; CPAN::Meta->VERSION(2.142060) }) {
    plan('no_plan');
    require CPAN::Meta::YAML;
    require Parse::CPAN::Meta;
} else {
    plan(skip_all => 'No or old CPAN::Meta');
}

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#---------------------------------------------------------------#
# Create test distribution
#---------------------------------------------------------------#

{ my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
    "license 'perl' is valid"
);
my $meta = $mb->get_metadata( fatal => 0 );

is_deeply( $meta->{license} => [ 'perl_5' ], "META license will be 'perl' " );
is_deeply( $meta->{resources}{license}, [ "http://dev.perl.org/licenses/" ],
    "META license URL is correct" );

}

{
my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare' );

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
    "license 'VaporWare' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );

is_deeply( $meta->{license} => [ 'unrestricted' ], "META license will be 'unrestricted' " );
is_deeply( $meta->{resources}{license}, [ "http://example.com/vaporware/" ],
    "META license URL is correct" );

}

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
FULLTEXT

1.453 libksba 1.3.5-2

1.453.1 Available under license :

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    src/udev/udevadm-hwdb.c
    src/udev/udev-builtin.c
    src/udev/udev-builtin-net_id.c
    src/udev/udev-builtin-hwdb.c
    src/udev/udev-builtin-btrfs.c
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    src/systemd/sd-readahead.h
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1.457 util-linux 2.23.2-33.el7_3.2
1.457.1 Available under license:

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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Version 2, June 1991

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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
ada64ace122978d00d1d1e5ee45d26 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 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>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

Create 2st primary partition
1beb87248e05d6e6e62e62b749da6d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73fbd 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 Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
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<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</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD
2e61c2529cb59c9341afe0443f196a1 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  [fsync size cpg]
c:  4096  20479  16384    unused  0  0
d:  0    16064    16065    unused  0  0

BSD disklabel command (m for help):
Command (m for help):

-----------

b5c121c2091b2ff26b880551feac7112 bsd.img

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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   fsype   [fsiz bsize   cpg]
a:  4096   6144   2049   4.2BSD     0     0     0
c:  4096  20479  16384   unused    0     0     0
d:    0  16064  16065   unused    0     0

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

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1.464 readline 6.3-8

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

1.465 Isb 4.1+Debian13+nmu1

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

---
Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.756489
## Dependency rules

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

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

## Versioned libraries rules

%.\$(SO)\.\$(SO\_TARGET\_VERSION\_MAJOR): %.\$(SO)\.\$(SO\_TARGET\_VERSION)
\$(RM) \$@ && ln -s {<F} \$@

%.\$(SO): %.\$(SO)\.\$(SO\_TARGET\_VERSION\_MAJOR)
\$(RM) \$@ && ln -s {*F}.\$(SO)\.\$(SO\_TARGET\_VERSION) \$@

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1.470 libcap 219-42.el7_4.1

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Licenses are intended to guarantee your freedom to share and change
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This license, the Lesser General Public License, applies to some
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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,
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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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

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

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

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

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

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

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

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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
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1.475 linux-kernel 3.10.0-1062.12.1.el7

1.475.1 Available under license:

/* 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 */

Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.756596
combined, allow nicstar_free_rx_skb to be called to
cycle 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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the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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That's all there is to it!
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for the initial saa7146 driver and its recent overhaul

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for his work on the initial Linux DVB driver

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for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)
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for the nxt2002 frontend driver

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for the nxt2004 frontend driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

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QLogic Linux FC-FCoE Driver

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1.478 libmodule-signature-perl 0.73-1+deb8u2

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1.480 file 5.11 33.el7

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1.481 python-ipy 0.75 6.el7

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1.482 testkit 2.4.20

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1.486 libedit 3.1-20140620-2

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It was checked out from NetBSD CVS on 2008-06-14.
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1.487 python-defaults 2.7.9 1

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

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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dh_python2, pycompile, pyclean and debpython module:

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1.494 debianutils 4.8.1.1

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writing it). Whether that is true depends on what the Library does
and what the program that uses the Library does.

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b) You must cause the files modified to carry prominent notices
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c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you
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   a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

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1.496 su-exec 0.2-r0

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1.497 dumb-init 1.2.0-r0
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1.498 gsettings-desktop-schemas 3.28.0 2.el7

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

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

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

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

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

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

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

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

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

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

"Source code" for a work means the preferred form of the work for
making modifications to it.  For a library, complete source code means
all the source code for all modules it contains, plus any associated
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Activities other than copying, distribution and modification are not
covered by this License; they are outside its scope.  The act of
running a program using the Library is not restricted, and output from
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2. You may modify your copy or copies of the Library or any portion
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a) The modified work must itself be a software library.

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

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

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

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2,
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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a) Accompany the work with the complete corresponding
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changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
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uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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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
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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密封.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/gVerify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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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 */
package oauth.signpost.commonshttp;

import java.io.IOException;
import oauth.signpost.AbstractOAuthProvider;
import oauth.signpost.http.HttpRequest;

/**
 * This implementation uses the Apache Commons HttpClient 4.x HTTP implementation to fetch OAuth tokens from a service provider. Android users should use this provider implementation in favor of the default one, since the latter is known to cause problems with Android's Apache Harmony underpinnings.
 * @author Matthias Kaeppler
 */
public class CommonsHttpOAuthProvider extends AbstractOAuthProvider {

    private static final long serialVersionUID = 1L;

    private transient HttpClient httpClient;

    public CommonsHttpOAuthProvider(String requestTokenEndpointUrl, String accessTokenEndpointUrl, String authorizationWebsiteUrl) {
        super(requestTokenEndpointUrl, accessTokenEndpointUrl, authorizationWebsiteUrl);
        this.httpClient = new DefaultHttpClient();
    }

    public CommonsHttpOAuthProvider(String requestTokenEndpointUrl, String accessTokenEndpointUrl, String authorizationWebsiteUrl, HttpClient httpClient) {
        super(requestTokenEndpointUrl, accessTokenEndpointUrl, authorizationWebsiteUrl);
        this.httpClient = httpClient;
    }

    public void setHttpClient(HttpClient httpClient) {
        this.httpClient = httpClient;
    }

    @Override
    protected HttpRequest createRequest(String endpointUrl) throws Exception {
        HttpPost request = new HttpPost(endpointUrl);
        return new HttpRequestAdapter(request);
    }

    @Override
    protected oauth.signpost.http.HttpResponse sendRequest(HttpRequest request) throws Exception {
        HttpResponse response = httpClient.execute((HttpUriRequest) request.unwrap());
        return new HttpResponseAdapter(response);
    }

    @Override
    protected void closeConnection(HttpRequest request, oauth.signpost.http.HttpResponse response) throws Exception {
    }
if (response != null) {
    HttpEntity entity = ((HttpResponse) response.unwrap()).getEntity();
    if (entity != null) {
        try {
            // free the connection
            entity.consumeContent();
        } catch (IOException e) {
            // this means HTTP keep-alive is not possible
            e.printStackTrace();
        }
    }
}

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

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

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

That's all there is to it!
---
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
#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

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

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

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

=cut

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

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

my ($opt) = @ARGV;

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

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

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
  open my $readme, '<', '../README' or die "Opening README failed: $!";

  # The copyright message is the first paragraph:
  local $/ = '';
  my $copyright_msg = <$readme>;

  my ($year) = $copyright_msg =~ /.*(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";
  $year;
}

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

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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1.521 adduser 3.113+nmu3

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1.525 libxrender 0.9.10 1.el7

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1.526 glib 2.50.3 3.el7

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1.527 alpine-baselayout 3.0.5 r2

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# Automatically generated by apkbuild-cpan, template 1
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pkgname=perl-software-license
 pkgreal=Software-License
 pkgver=0.103004
 pkgrel=0
 pkgdesc="packages that provide templated software licenses"
url="http://search.cpan.org/dist/Software-License/"
 arch="noarch"
 license="GPL PerlArtistic"
cpandepends="perl-text-template perl-data-section perl-sub-install"
cpanmakedepends="" 
depends="$cpandepends"
makedepend="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/R/RJ/RJBS/$_pkgreal-$pkgver.tar.gz"

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

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

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

package() {
  cd "$_builddir"
  make DESTDIR="$pkgdir" install || return 1
  find "$pkgdir" \(-name perllocal.pod -o -name .packlist \) -delete
}

md5sums="0c5fd53d93818566234578b27d667b35  Software-License-0.103004.tar.gz"

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
license="LGPL"
depends=
makedepends=
subpackages="$pkgname-dev"

_builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  cd "$_builddir"
  update_config_sub || return 1
}

build() {
  cd "$_builddir"
  ./configure \
  --build=$CBUILD \
  --host=$CHOST \


--prefix=/usr \
|| return 1
make || return 1
}

package() {
    cd "$_builddir"
    make DESTDIR="$pkgdir" install || return 1
    rm "$pkgdir"/usr/lib/*.la
}

md5sums="08559ff3c67fd95d57b0c5e91a6b4302  libart_lgpl-2.3.21.tar.bz2"

/*
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*/
--- a/expected/plluatest.out
+++ b/expected/plluatest.out
@@ -232,8 +232,8 @@
1 | name  | data
(1 row)
+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);
-NOTICE:  CREATE TABLE / PRIMARY KEY will create implicit index "tree_pkey" for table "tree"
CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$
    local p = server.prepare("insert into ". t .. ") values($1, $2, $3),
    {"int4", "int4", "int4"})
--- a/sql/plluatest.sql
+++ b/sql/plluatest.sql
@@ -160,6 +160,7 @@
SELECT * FROM get_rows('name');

+SET client_min_messages = warning;
CREATE TABLE tree (id INT PRIMARY KEY, lchild INT, rchild INT);
CREATE FUNCTION filltree (t text, n int) RETURNS void AS $$

1.528 libpackage-constants-perl 0.04-1

1.528.1 Available under license:
Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Source: https://metacpan.org/release/Package-Constants
Upstream-Contact: Chris Williams <chris@bingosnet.co.uk>
Upstream-Name: Package-Constants

Files: *
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1.529 gettext 2.19-18+deb8u10

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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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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
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functions (ten lines or less in length), then the use of the object
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work. (Executables containing this object code plus portions of the
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@enumerate
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@page
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@example
one line to give the program's name and a brief idea of what it does.

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@end example

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

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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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1.530 iperf 2.0.8-1.el7
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1.532 libxfixes 5.0.3 1.el7

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1.535 async-http-client 2.0.36

1.536 libdb 5.3.21 25.el7

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@end enumerate

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

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@end enumerate

@if{ex}
@heading END OF TERMS AND CONDITIONS
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@page
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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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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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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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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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1.547 x-crypto v0.0.0-20191112222119-e1110fd1c708

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

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

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

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1.561 mmap-go 3.6.8

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1.577 sed 4.2.2 5.el7
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'#---------------------BS_STVARS_040_01----------------------#
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected

'#---------------------BS_STVARS_040_02----------------------#
SET @@GLOBAL.license=1;
ERROR HY000: Variable 'license' is a read only variable
Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected

'#---------------------BS_STVARS_040_03----------------------#
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
@@GLOBAL.license = VARIABLE_VALUE
1
1 Expected
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected

SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
COUNT(VARIABLE_VALUE)
1
1 Expected

'#---------------------BS_STVARS_040_04----------------------#
SELECT @@license = @@GLOBAL.license;
@@license = @@GLOBAL.license
1
1 Expected

'#---------------------BS_STVARS_040_05----------------------#
SELECT COUNT(@@license);
COUNT(@@license)
1
1 Expected
SELECT COUNT(@@local.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@SESSION.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT license = @@SESSION.license;
ERROR 42S22: Unknown column 'license' in 'field list'
Expected error 'Readonly variable'
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### mysql-test\license_basic.test ###

```bash
# Variable Name: license
# Scope: Global
# Access Type: Static
# Data Type: string
# Creation Date: 2008-02-07
# Author : Sharique Abdullah

# Description: Test Cases of Dynamic System Variable license that checks the behavior of this variable in the following ways
# * Value Check
# * Scope Check

```

---

Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.767835
--echo '#---------------------BS_STVARS_040_01----------------------#'
# Displaying default value
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--echo '#---------------------BS_STVARS_040_02----------------------#'
# Check if Value can set
SET @@GLOBAL.license=1;
--error ER_INCORRECT_GLOBAL_LOCAL_VAR
--echo Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--echo '#---------------------BS_STVARS_040_03----------------------#'
# Check if the value in GLOBAL Table matches value in variable
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected
SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected

--echo '#---------------------BS_STVARS_040_04----------------------#'
# Check if accessing variable with and without GLOBAL point to same variable
SELECT @@license = @@GLOBAL.license;
SELECT COUNT(@@license);
--echo 1 Expected

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@local.license);
--echo Expected error 'Variable is a GLOBAL variable'

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@SESSION.license);
--echo Expected error 'Variable is a GLOBAL variable'

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--Error ER_BAD_FIELD_ERROR
SELECT license = @@SESSION.license;
--echo Expected error 'Readonly variable'

== MariaDB ==

The Debian package of MySQL was first debianzed on 1997-04-12 by Christian Schwarz <schwarz@debian.org> and is maintained since 1999-04-20 by Christian Hammers <ch@debian.org>.

The MariaDB packages were initially made by http://ourdelta.org/, and are now managed by the MariaDB development team, maria-developers@lists.launchpad.net

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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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Protocol Buffers for Go with Gadgets

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1.589 qrencode 3.4.1 3.el7

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1.590 gcc 4.8.4 1

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@c End:

@c man end
==============================================================================
compiler_rt 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.)
@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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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.

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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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.

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

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

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

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

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

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

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b) Use a suitable shared library mechanism for linking with the
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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@i.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(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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@end example

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@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
@end example
under certain conditions; type @samp{show c} for details.
@end smallexample

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@c man end

This is the Debian GNU/Linux prepackaged version of the GNU compiler
collection, containing Ada, C, C++, Fortran 95, Java, Objective-C,
Objective-C++, and Treelang compilers, documentation, and support
libraries. In addition, Debian provides the gdc compiler, either in
the same source package, or built from a separate same source package.

Packaging is done by the Debian GCC Maintainers
<debian-gcc@lists.debian.org>, with sources obtained from:

ftp://gcc.gnu.org/pub/gcc/releases/  (for full releases)
svn://gcc.gnu.org/svn/gcc/           (for prereleases)
http://bitbucket.org/goshawk/gdc     (for D)

The current gcc-4.8 source package is taken from the SVN gcc-4_8-branch.

Changes: See changelog.Debian.gz

Debian splits the GNU Compiler Collection into packages for each language,
library, and documentation as follows:

<table>
<thead>
<tr>
<th>Language</th>
<th>Compiler package</th>
<th>Library package</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ada</td>
<td>gnat-4.8</td>
<td>libgnat-4.8</td>
<td>gnat-4.8-doc</td>
</tr>
<tr>
<td>C</td>
<td>gcc-4.8</td>
<td>gcc-4.8-doc</td>
<td></td>
</tr>
<tr>
<td>C++</td>
<td>g++-4.8</td>
<td>libstdc++6</td>
<td>libstdc++6-4.8-doc</td>
</tr>
<tr>
<td>D</td>
<td>gdc-4.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fortran 95</td>
<td>gfortran-4.8</td>
<td>libgfortran3</td>
<td>gfortran-4.8-doc</td>
</tr>
<tr>
<td>Go</td>
<td>gccgo-4.8</td>
<td>libgo0</td>
<td></td>
</tr>
<tr>
<td>Java</td>
<td>gcj-4.8</td>
<td>libgcj10</td>
<td>libgcj-doc</td>
</tr>
</tbody>
</table>
Objective C    gobjc-4.8    libobjc2  
Objective C++  gobjc++-4.8  

For some language run-time libraries, Debian provides source files, development files, debugging symbols and libraries containing position-independent code in separate packages:

<table>
<thead>
<tr>
<th>Language</th>
<th>Sources</th>
<th>Development</th>
<th>Debugging</th>
<th>Position-Independent</th>
</tr>
</thead>
<tbody>
<tr>
<td>C++</td>
<td></td>
<td>libstdc++6-4.8-dbg</td>
<td>libstdc++6-4.8-pic</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>libphobos-4.8-dev</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Java</td>
<td></td>
<td>libgcj10-src libgcj10-dev libgcj10-dbg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Additional packages include:

- **All languages:**
  - libgcc1, libgcc2, libgcc4: GCC intrinsics (platform-dependent)
  - gcc-4.8-base: Base files common to all compilers
  - gcc-4.8-soft-float: Software floating point (ARM only)
  - gcc-4.8-source: The sources with patches

- **Ada:**
  - libgnatvsn-dev, libgnatvsn4.8: GNAT version library
  - libgnatprj-dev, libgnatprj4.8: GNAT Project Manager library

- **C:**
  - cpp-4.8, cpp-4.8-doc: GNU C Preprocessor
  - libmudflap0-dev, libmudflap0: Library for instrumenting pointers
  - libssp0-dev, libssp0: GCC stack smashing protection library
  - libquadmath0: Math routines for the __float128 type
  - fxincludes: Fix non-ANSI header files
  - protoize: Create/remove ANSI prototypes from C code

- **Java:**
  - gij: The Java bytecode interpreter and VM
  - libgcj-common: Common files for the Java run-time
  - libgcj10-awt: The Abstract Windowing Toolkit
  - libgcj10-jar: Java ARChive for the Java run-time

- **C, C++ and Fortran 95:**
  - libgomp1-dev, libgomp1GCC: OpenMP (GOMP) support library
  - libitm1-dev, libitm1: GNU Transactional Memory Library

**Biarch support:** On some 64-bit platforms which can also run 32-bit code, Debian provides additional packages containing 32-bit versions of some libraries. These packages have names beginning with 'lib32' instead of 'lib', for example lib32stdc++6. Similarly, on some 32-bit platforms which can also run 64-bit code, Debian provides additional packages with names...
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- libatomic
- libdecnumber
- libgomp
- libbitm
- libssp
- libstdc++-v3
- libobjc
- libmudflap
- libgfortran
- The libgnat-4.8 Ada support library and libgnatvsn library.
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Version 3.1, 31 March 2009

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D:
gdc-4.8                         GNU D Compiler
libphobos-4.8-dev               D standard runtime library

The D source package is made up of the following components.

The D front-end for GCC:
- d/*

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The DMD Compiler implementation of the D programming language:
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The Zlib data compression library:
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The Phobos standard runtime library:
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```
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```

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1.593 libjpeg 1.2.90 8.el7

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README for release 6b of 27-Mar-1998
====================================

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IJK is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP
=======================
This file contains the following sections:

OVERVIEW            General description of JPEG and the IJK 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 IJK releases.

Other documentation files in the distribution are:

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

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

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

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

OVERVIEW
========
This package contains C software to implement JPEG image compression and
decompression. JPEG (pronounced "jay-peg") is a standardized compression
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 "cjpe" and "djpe", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

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

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

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

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

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REFERENCES
==========

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 inCACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

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


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

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

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
A PostScript version of this document is available by FTP at
ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text
version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing
the figures.

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

ARCHIVE LOCATIONS
=================

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

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

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

The JPEG FAQ (Frequently Asked Questions) article is a useful source of
general information about JPEG. It is updated constantly and therefore is
not included in this distribution. The FAQ is posted every two weeks to
Usenet newsgroups comp.graphics.misc, news.answers, and other groups.
It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/
and other news.answers archive sites, including the official news.answers
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu
with body
send usenet/news.answers/jpeg-faq/part1
Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

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

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

FILE FORMAT WARS

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

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

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

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

TO DO
=====

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

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

As always, speeding things up is of great interest.

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

1.594 slf4j-log4j 2.5

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# This is the official list of people who can contribute
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# The AUTHORS file lists the copyright holders; this file
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#
# Names should be added to this file only after verifying that
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#
# http://code.google.com/legal/individual-cla-v1.0.html
#
# The agreement for individuals can be filled out on the web.

# Names should be added to this file like so:
# Individual's name <submission email address>
# Individual's name <submission email address> <email2> <emailN>
#
# An entry with multiple email addresses specifies that the
# first address should be used in the submit logs and
# that the other addresses should be recognized as the
# same person when interacting with Gerrit.
#
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1.613 open-ldap 2.4.40+dfsg-1+deb8u3

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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 3a0982da308228d796df35f98d787c5c9f2bb5b6.

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 istream 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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<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
xmlns:xi="http://www.w3.org/2001/XInclude"
xmlns:db="http://docbook.org/ns/docbook">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
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  </xsl:variable>

  <xsl:variable name="isc.copyright">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text">
        <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
          Copyright (C) <xsl:text/>
          <xsl:call-template name="copyright.years">
            <xsl:with-param name="years" select="year"/>
          </xsl:call-template>
        </xsl:for-each>
      </xsl:with-param>
    </xsl:call-template>
    <xsl:text>&#10;</xsl:text>
    <xsl:value-of select="$isc.copyright.breakline"/>
    <xsl:text>&#10;</xsl:text>
  </xsl:variable>
</xsl:stylesheet>
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1.627 postfix 2.10.1-6.el7

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

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

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

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

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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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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1.656 musl 1.1.18-r2

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**1.657 util-linux 2.23.2-43.el7**

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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

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
Create 2st primary partition
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8ff51a88a045db233418dd73fbd.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: 0x0000001

<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>
<tr>
<td>__ts_dev__2</td>
<td></td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD
2e1c9e529cb59e9341afe0443f196a1 bsd.img

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

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

Command (m for help):

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

BSD disklabel command (m for help):
Command (m for help):

---------

b5c121c2091b2ff26b880551feae7112 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   [fsise 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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*/

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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Protocol Buffers for Go with Gadgets

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

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1.663 microcode-ctl 2.1 53.el7

1.664 libglvnd 1.0.1 0.8.git5baa1e5.el7

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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<link rel="stylesheet" type="text/css" href="styles.css" />
<title>uthash: a hash table for C structures</title>
</head>
<body>
<div id="banner">
<img src="banner.png" alt="uthash: a hash table for C structures" />
</div> <!-- banner -->

<div id="topnav">
<a href="http://troydhanson.github.com/uthash/">uthash home</a> >
BSD license
</div>

<hr />
<div id="mid">
<div id="main">
<p>
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1.666 fribidi 1.0.2-1.el7

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1.668 sqlite 3.7.17 8.el7

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1.677 python-chardet 2.2.1-1.el7_1

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```xml
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/REC-html4/strict.dtd">
<html lang="en">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Terms of use [Universal Encoding Detector]</title>
<link rel="stylesheet" href="css/chardet.css" type="text/css">
<link rel="made" href="mailto:mark@diveintomark.org" />
<meta name="generator" content="DocBook XSL Stylesheets V1.65.1" />
```
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1.678 python-backports-ssl-match-hostname
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1.680 libtasn 4.10 1.el7

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1.685 e2fsprogs 1.43.4 2

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Theodore Ts'o  
23-June-2007

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

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

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

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

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

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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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# 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
all:: image

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

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

image:$(BSDLIB_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSDLIB_LIB)
$(RM) -f ../$(BSDLIB_LIB)
/*

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*/
This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".

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

From the original distribution:

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

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

http://sourceforge.net/projects/e2fsprogs

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

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Gadi Oxman, August 1995

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

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

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

" Product specification files are case sensitive
syn case match

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

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

   syn match  psfObjTag   "\<[\[-_+A-Z0-9a-z]\]+\<[\[-_+A-Z0-9a-z]\]+\)+" contained
   syn match  psfAttAbbrev  ",\<[\fa|fr|aclqr|v]\><\|>|<=|>=|=|=|=|=|=|=|=|=|=|[^\#\t\ ]" contained
   syn match  psfObjTags  "\<[\[-_+A-Z0-9a-z]\]+\<[\[-_+A-Z0-9a-z]\]+\)>\<[\[-_+A-Z0-9a-z]\]+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>+\>
These regions are defined in attempt to do syntax checking for some
of the attributes.

```powershell
syn region psfAttTag matchgroup=psfAttrib
start="\^s*tag\s+" contains=psfObjTag.psfsComment end="$" keepend
```

```powershell
syn region psfAttSpec matchgroup=psfAttrib
start="\^s*(ancestor|applied_patches|applied_to|contents|corequisites|exrequisites|prerequisites|software_spec|supersedes|superseded_by)\s+" contains=psfObjTag.psfsAttribAbbrev.psfsComment end="$" keepend
```

```powershell
syn region psfAttTags matchgroup=psfAttrib
start="\^s*all_filesets\s+" contains=psfObjTags.psfsComment end="$" keepend
```

```powershell
syn region psfAttNumber matchgroup=psfAttrib
start="\^s*(compressed_size|instance_id|media_sequence_number|sequence_number|size)\s+" contains=psfNumber.psfsComment end="$" keepend
```

```powershell
syn region psfAttTime matchgroup=psfAttrib
start="\^s*(create_time|ctime|mod_time|mtime|timestamp)\s+" contains=psfNumber.psfsComment end="$" keepend
```

```powershell
syn region psfAttFloat matchgroup=psfAttrib
start="\^s*(data_model_revision|layout_version)\s+" contains=psfFloat.psfsComment end="$" keepend
```

```powershell
syn region psfAttLongDate matchgroup=psfAttrib
start="\^s*install_date\s+" contains=psfLongDate.psfsComment end="$" keepend
```

```powershell
syn region psfAttState matchgroup=psfAttrib
start="\^s*(state)\s+" contains=psfState.psfsComment end="$" keepend
```

```powershell
syn region psfAttPState matchgroup=psfAttrib
start="\^s*(patch_state)\s+" contains=psfPState.psfsComment end="$" keepend
```

```powershell
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.psfsComment end="$" keepend
```

```powershell
syn match psfComment ";.*$"
```

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

```powershell
hi def link psfObject       Statement
hi def link psfAttrib       Type
hi def link psfQuotString   String
```
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*uganda.txt*    For Vim version 8.1. Last change: 2018 May 17

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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
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Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

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vim:tw=78:ts=8:et=help:norl:
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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
  Module-Build mailing list at <module-build@perl.org>.'"
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
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meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
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attach them to the start of each source file to most effectively convey
the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

<one line to give the program’s name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

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

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

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

That's all there is to it!

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

use strict;
use lib '../lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#--------------------------------------------------------------#
# Create test distribution
#--------------------------------------------------------------#

{
  my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl'
  );

  $dist->regen;
  $dist->chdir_in;

  my $mb = $dist->new_from_context();
  isa_ok( $mb, "Module::Build" );
  is( $mb->license, 'perl',
    "license 'perl' is valid"
  );

  my $meta = $mb->get_metadata( fatal => 0 );

}
is( $meta->{license} => 'perl', "META license will be 'perl''");
is( $meta->{resources}{license}, "http://dev.perl.org/licenses/", "META license URL is correct" );

$

my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'VaporWare'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare', "license 'VaporWare' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted''");
is( $meta->{resources}{license}, "http://example.com/vaporware/", "META license URL is correct" );

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
This module is free software; you can redistribute it and/or modify it under the same terms as Perl itself.

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Version 1, February 1989

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

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when it starts in an interactive mode:

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   Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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   under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
appropriate parts of the General Public License. Of course, the
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   at assemblies) written by James Hacker.

   <signature of Ty Coon>, 1 April 1989
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1.701 netty-resolver 2.0.36

1.702 vim 0.1.7

1.702.1 Available under license:

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<one line to give the program's name and a brief idea of what it does.>
" Vim syntax file
" Language: Software Distributor product specification file
" (POSIX 1387.2-1995).
" Maintainer: Rex Barzee <rex_barzee@hp.com>
" Last change: 25 Apr 2001

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

" Product specification files are case sensitive
syn case match

  syn keyword psfObject bundle category control_file depot distribution
Some of the attributes covered by attUnquotString and attQuotString:
in attributes: architecture category_tag control_directory copyright create_date description directory file_permissions install_source install_type location machine_type mod_date number os_name os_release os_version pose_as_os_name pose_as_os_release readme revision share_link title vendor_tag

These regions are defined in attempt to do syntax checking for some of the attributes.
Define the default highlighting.
"Only when an item doesn't have highlighting yet

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

hi def link psfComment      Comment

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

let b:current_syntax = "psf"

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     Voice phone:      (33) 93 65 77 71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F
                      *uganda.txt* For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL  by Bram Moolenaar

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SUMMARY
*iicf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are
couraged 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
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   b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.
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- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

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

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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).

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
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.

1.703 Cyrus-SASL 2.1.26 20.el7_2
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 * Rob Earhart
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#endif /* _KERBEROS_MIT_COPYRIGHT_H */

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 * Tim Martin
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Upstream source http://invisible-island.net/mawk/mawk.html

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

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

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

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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Adel Gadallah
Alan Knowles
Alexey Zakhlestin
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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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Here the stream cipher has been modified always to include the time when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

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1.726 findutils 4.4.2-9+b1

1.726.1 Available under license:

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# This is the official list of people who can contribute
# (and typically have contributed) code to the Go repository.
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# # Names should be added to this file only after verifying that
# # the individual or the individual's organization has agreed to
# # the appropriate Contributor License Agreement, found here:
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# #
# The agreement for individuals can be filled out on the web.

# Names should be added to this file like so:
#   Individual's name <submission email address>
#   Individual's name <submission email address> <email2> <emailN>
#
# An entry with multiple email addresses specifies that the
# first address should be used in the submit logs and
# that the other addresses should be recognized as the
# same person when interacting with Gerrit.

# Please keep the list sorted.

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1.728 e2fsprogs 1.42.9 10.el7

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Index: tdbsa/tdb.c

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

- trivial database library - private includes
-
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This is 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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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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Gadi Oxman, August 1995

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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)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../*.so$(BSD_LIB)

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Theodore Ts'o
23-June-2007

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1.729 xml-core 0.13+nmu2

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1.732 go-flags go1.13.7

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On all platforms, Nmap is normally linked with:

- **libpcap**: Network packet capture library. Distributed with Nmap in the
  libpcap subdirectory.
  http://www.tcpdump.org/

- **libdnet**: Networking library, used for low-level tasks such as sending
  ethernet frames. A modified version is distributed with Nmap in the
  libdnet-stripped subdirectory. A summary of Nmap-local modifications
  is in the file NMAP_MODIFICATIONS.
  http://code.google.com/p/libdnet/

- **PCRE**: Perl-compatible regular expressions. PCRE is part of Nmap's
  version detection and is also made available as an NSE library.
  Distributed with Nmap in the libpcre subdirectory.
  http://www.pcre.org/
o liblua: Lua programming language. Lua is the implementation language of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow running Lua programs inside Nmap. Distributed with Nmap in the liblua subdirectory. liblua can be omitted by configuring with the --without-liblua configuration directive.
http://www.lua.org/

o OpenSSL: Cryptographic library. OpenSSL is used by service detection and by NSE to connect to SSL services. NSE also provides access to OpenSSL functions such as encryption and digest calculation. OpenSSL can be disabled by configuring with the --without-openssl configuration directive.
http://www.openssl.org/

o LIBLINEAR. Used for IPv6 OS classification.
http://www.csie.ntu.edu.tw/~cjlin/liblinear/

o libsvn. The Subversion library, used by the updater program


On Windows only, Nmap uses:

o WinPcap: libpcap for Windows. The libpcap license applies to WinPcap, and it also has its own license. A binary copy of the library is distributed with Nmap in the subdirectory mswin32/winpcap.
http://www.winpcap.org/

Certain Nmap Scripting Engine scripts use the simplified BSD license in licenses/BSD-simplified.

Zenmap and Ndiff require:

o Python. The binary distributions of Nmap include a Python interpreter and various libraries, built using either py2exe or py2app.
http://www.python.org/

The Windows and Mac OS X binary packages include bundled versions of:

o GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2.
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o Cairo: graphics library. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1. See the files licenses/LGPL-2.1 and licenses/MPL-1.1.
http://www.cairographics.org/

o libgailutil: Accessibility support for GTK+.

o libpng, jpeg, LibTIFF: Image file format libraries used by GTK+.

o zlib and bzip2: compression libraries.

o Expat: XML parser library.
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o fontconfig: font configuration library.
http://www.fontconfig.org/
o FreeType: font rendering 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
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c) You must cause the whole of the work to be licensed at no
charge to all third parties under the terms of this License.

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

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

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

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———

Open Source Used in ACI 5.0: Multisite (version 3.0) 3.0.0.759712
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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.

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

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   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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   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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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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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
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For an executable, the required form of the "work that uses the
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components (compiler, kernel, and so on) of the operating system on
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<one line to give the program’s name and a brief idea of what it does.>
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The hypothetical commands `show w' and `show c' should show the appropriate
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1.738 ncurses 5.9 13.20130511.el7

1.738.1 Available under license:
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html
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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.

On Debian systems, the complete text of the GNU General Public License can be found in '/usr/share/common-licenses/GPL-2'

1.739 passwd 0.14 7.el7

1.739.1 Available under license :

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Version 2.1, February 1999

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1.740 shared-mime-info 1.1 9.el7
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go

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

*  
*  
* /@

@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 "";
}

1.743 adduser 3.115

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<sjp@cvfn.org> from sources written for the Debian Project by Ian
Murdock, Ted Hajek <tedhajek@boombox.micro.umn.edu>, and Sven Rudolph
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Since Nov 27 1996, it was maintained by Guy Maor <maor@debian.org>. He
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Since March 24 2004, it is maintained by Roland Bauerschmidt
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#!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 $/ = ";";
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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
  Module-Build mailing list at <module-build@perl.org>.'
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3

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

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

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Version 1, February 1989

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<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

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

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1.748 cobra v0.0.5

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package cmd

func initGpl3() {
  Licenses["gpl3"] = License{
    Name: "GNU General Public License 3.0",
    PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gpl"},
    Header: `
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```
package cmd

func initLgpl() {
    Licenses["lgpl"] = License{
        Name: "GNU Lesser General Public License",
        PossibleMatches: []string{"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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    }
}
```
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package cmd

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

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class 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 == "" {
        fmt.Errorf("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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Version 2.0, January 2004
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package cmd

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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        OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
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        LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,
        OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN
        THE SOFTWARE.`
    }
}

func initAgpl() {
Licenses["agpl"] = License{
Name: "GNU Affero General Public License",
PossibleMatches: []string{"agpl", "afferogpl", "gnu agpl"},
Header: `This program is free software: you can redistribute it and/or modify
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cmd

func initApache2() {
    Licenses["apache"] = License{
        Name: "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
        Header: 'Licensed under the Apache License, Version 2.0 (the "License");
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// Parts inspired by https://github.com/ryanuber/go-license

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  Licenses["gpl2"] = License{
    Name:            "GNU General Public License 2.0",
    PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
    Header: ` This program is free software; you can redistribute it and/or
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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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1.752 mime-support 3.58

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1.753 pcre 8.35-3.3+deb8u4

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1.754 bean-validation-api 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.

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

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Here is a list of the main contributors to lm-sensors version 3.

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Many optimizations in libsensor and sensors.
Configuration file converter.
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Support for multiple configuration files in libsensor.

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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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1.774 acl 2.2.51-14.el7atomix1

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1.780 libsemanage 2.5 14.el7

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lib/libgss/gssd_pname_to_uid.c
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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
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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

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

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

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g dsp_name.c
lib/gssapi/mechglue/g dsp_status.c
lib/gssapi/mechglue/g dup_name.c
lib/gssapi/mechglue/g exp_sec_context.c
lib/gssapi/mechglue/g export_name.c
lib/gssapi/mechglue/g glue.c
lib/gssapi/mechglue/g imp_name.c
lib/gssapi/mechglue/g imp sec_context.c
lib/gssapi/mechglue/g init sec_context.c
lib/gssapi/mechglue/g initialize.c
lib/gssapi/mechglue/g inquire_context.c
lib/gssapi/mechglue/g inquire_cred.c
lib/gssapi/mechglue/g inquire_names.c
lib/gssapi/mechglue/g process_context.c
lib/gssapi/mechglue/g rel_buffer.c
lib/gssapi/mechglue/g rel_cred.c
lib/gssapi/mechglue/g rel_name.c
lib/gssapi/mechglue/g rel_oid_set.c
lib/gssapi/mechglue/g seal.c
lib/gssapi/mechglue/g sign.c
lib/gssapi/mechglue/g store_cred.c
lib/gssapi/mechglue/g unseal.c
lib/gssapi/mechglue/g userok.c
lib/gssapi/mechglue/g utils.c
lib/gssapi/mechglue/g verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.793 e2fsprogs 1.42.9 16.el7

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

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This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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# 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:$(BSDLIB_LIB)

$(BSDLIB_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSDLIB_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:: $(BSDLIB_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSDLIB_LIB)
$(RM) -f ./$(BSDLIB_LIB)

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Theodore Ts'o
23-June-2007

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

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Gadi Oxman, August 1995

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

 - trivial database library - private includes
 -
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*/

1.794 sqlite 3.8.7.1-1+deb8u2

1.794.1 Available under license:

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<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN" "http://www.w3.org/TR/html4/strict.dtd">
<html>
<head>
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
<title>SQLite Copyright</title>
<style type="text/css">
body {
  margin: auto;
  font-family: Verdana, sans-serif;
  padding: 8px 1%;
}

a {
  color: #044a64
}

a:visited {
  color: #734559
}

.logo {
  position: absolute;
  margin: 3px;
}

.tagline {
  float: right;
  text-align: right;
  font-style: italic;
  width: 300px;
  margin: 12px;
  margin-top: 58px;
}

.menubar {
  clear: both;
  border-radius: 8px;
  background: #044a64;
  padding: 0px;
  margin: 0px;
  cell-spacing: 0px;
}

.toolbar {
  text-align: center;
  line-height: 1.6em;
  margin: 0;
  padding: 0px 8px;
}
<script>
gMsg = "Search SQLite Docs..."
function entersearch() {
  var q = document.getElementById("q");
  if( q.value == gMsg ) { q.value = "" }
  q.style.color = "black"
  q.style.fontStyle = "normal"
}
function leavesearch() {
  var q = document.getElementById("q");
  if( q.value == "" ) {
    q.value = gMsg
    q.style.color = "#044a64"
    q.style.fontStyle = "italic"
  }
}
function hideorshow(btn,obj){
  var x = document.getElementById(obj);
  var b = document.getElementById(btn);
  if( x.style.display!='none' ){
    x.style.display = 'none';
    b.innerHTML='show';
  }else{
    x.style.display = "";
    b.innerHTML='hide';
  }
  return false;
}
</script>

<form name=f method="GET" action="http://www.sqlite.org/search">
<input id=q name=q type=text
  onfocus="entersearch()" onblur="leavesearch()"
  style="width:24ex;padding:1px 1ex; border:solid white 1px; font-size:0.9em ; font-style:italic;color:#044a64;"
  value="Search SQLite Docs...">
<input type=submit value="Go" style="border:solid white 1px;background-color:#044a64;color:white;font-size:0.9em;padding:0 1ex">
</form>
</div>
</table>

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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That's all there is to it!

1.801 keyutils 1.5.8 3.el7

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* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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1.820 reactivemongo-shaded 0.12.4

1.821 device-mapper-multipath 0.4.9

99.el7_3.3

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1.822 rpm 4.11.3 25.el7

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1.824 quota 4.01-14.el7

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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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1.836 netty-codec 4.0.51

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<one line to give the program's name and a brief idea of what it does.>
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If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

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

That's all there is to it!

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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';
}
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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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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
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    include/iprop_hdr.h
    kadmin/server/ipropd_svc.c
    lib/kdb/iprop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
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    slave/kpropd_rpc.c
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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
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1.841 setools 3.3.8 4.el7

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1.842 pinentry 0.8.1-17.el7

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1.843 mgo 3.6.8

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1.844 oniguruma 6.1.3

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1.845 fontconfig 2.13.0 4.3.el7

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1.846 jackson-dataformat-yaml 2.9.4

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1.847 perl-getopt-long 2.40-2.el7

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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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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
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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
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Although the Lesser General Public License is Less protective of the
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The precise terms and conditions for copying, distribution and
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"work based on the library" and a "work that uses the library". The
former contains code derived from the library, whereas the latter must
be combined with the library in order to run.

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

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in
these notices.

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

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

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

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

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

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

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

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

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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

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

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

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.
Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

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

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

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

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see 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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--------------

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A C-program for MT19937, with initialization improved 2002/1/26. Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed) or init_by_array(init_key, key_length).

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Sockets
-------

The `socket` module uses the functions :func:`getaddrinfo`, and
:func:`getnameinfo`, which are coded in separate source files from the WIDE

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-------------------------------
The source for the `mod:` `fpectl` module includes the following notice::

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MD5 message digest algorithm

```
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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

   http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.

Asynchronous socket services
---------------------------------

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

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
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- Arguments more compliant with Python standard

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

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

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

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-------

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (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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#
# An entry with multiple email addresses specifies that the
# first address should be used in the submit logs and
# that the other addresses should be recognized as the
# same person when interacting with Gerrit.

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

Python was created in the early 1990s by Guido van Rossum at Stichting
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successor of a language called ABC. Guido remains Python’s principal author,
although it includes many contributions from others.

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to
form the BeOpen PythonLabs team. In October of the same year, the PythonLabs
team moved to Digital Creations (now Zope Corporation; see
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Mersenne Twister
---------------

The `mod: '_random` module includes code based on a download from
http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are
the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html
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Sockets
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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls
--------------------------

The :mod:`xmlrpc.client` module contains the following notice::

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--------

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

**strtod and dtoa**

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

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from http://www.netlib.org/fp/. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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-------

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libffi
------

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zlib
----

The :mod:`zlib` extension is built using an included copy of the zlib sources if the zlib version found on the system is too old to be used for the build:
Open Source Used In ACI 5.0: Multisite (version 3.0) 3.0.0.7511427

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Jean-loup Gailly    Mark Adler
jloup@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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<td>2001</td>
<td>PSF</td>
<td>no</td>
</tr>
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<td>2001</td>
<td>PSF</td>
<td>yes</td>
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<td>2.1+2.0.1</td>
<td>2001</td>
<td>PSF</td>
<td>yes</td>
</tr>
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</table>
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Version 2.8, 17 August 2003

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1.878 free-type 2.8 14.el7

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include/freetype/internal/fthash.h
#
src/base/fthash.c	src/base/md5.c	src/base/md5.h
#
src/bdf/bdf.c	src/bdf/bdf.h	src/bdf/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
source/pcf/pcf.h
source/pcf/pcfdrivr.c
source/pcf/pcfdrivr.h
source/pcf/pcferror.h
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source/gzip/inffixed.h
source/gzip/inflate.c
source/gzip/inftrees.c
source/gzip/inftrees.h
source/gzip/infutil.c
source/gzip/infutil.h
source/gzip/zconf.h
source/gzip/zlib.h
source/gzip/zutil.c
source/gzip/zutil.h
#
source/tools/apinames.c
source/tools/ftrandom/ftrandom.c
#
# EOF

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Upstream-Contact: Paul Vixie <paul@vix.com>

Source:
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1.891 postgresql 9.4.12-1.pgdg80+1

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1.892 yaml 0.1.7-r0

1.892.1 Available under license:

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

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that were granted to the IJG for code derived from their software.

1.894 diffutils 3.3 5.el7
1.894.1 Available under license :
    From RPM File Metadata:GPLv3+
    /* diff - compare files line by line
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/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS
proper_name ("Paul Eggert"),
proper_name ("Mike Haertel"),

proper_name ("David Hayes"), \
proper_name ("Richard Stallman"), \
proper_name ("Len Tower")

ifndef GUTTER_WIDTH_MINIMUM
#define GUTTER_WIDTH_MINIMUM 3
endif

struct regexp_list
{
    char *regexps; /* chars representing disjunction of the regexps */
    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 regexps. */
static struct regexp_list function_regexp_list;
/* Ignore changes affecting only lines that match these regexps. */
static struct regexp_list ignore_regexp_list;
#ifndef O_BINARY
/* Use binary I/O when reading and writing data (--binary).  
   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
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, 'I'},
  {"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},
  {"minimal", 0, 0, 'd'},
  {"new-file", 0, 0, 'N'},
  {"new-group-format", 1, 0, NEW_GROUP_FORMAT_OPTION},
  {"new-line-format", 1, 0, NEW_LINE_FORMAT_OPTION},
  {"no-dereference", 0, 0, NO_DEREFERENCE_OPTION},
  {"no-ignore-file-name-case", 0, 0, NO_IGNORE_FILE_NAME_CASE_OPTION},
  {"normal", 0, 0, NORMAL_OPTION},
  {"old-group-format", 1, 0, OLD_GROUP_FORMAT_OPTION},
  {"old-line-format", 1, 0, OLD_LINE_FORMAT_OPTION},
  {"paginate", 0, 0, 't'},
  {"paginate", 0, 0, 't'}
}
/ * 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;
  char *p;

  for (i = 0; i < count; i++)
    size +=(1 + shell_quote_length (optionvec[i]));

  p = result = xmalloc (size);

  for (i = 0; i < count; i++)
    {  
    *p++ = ' ';
p = shell_quote_copy (p, optionvec[i]);
}

*p = '\0';
return result;
}

/* Return an option value suitable for add_exclude. */

static int
exclude_options (void)
{
return EXCLUDE_WILDCARDS | (ignore_file_name_case ? FNM_CASEFOLD : 0);
}

int
main (int argc, char **argv)
{
int exit_status = EXIT_SUCCESS;
int c;
int i;
int prev = -1;
lin 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);
textdomain (PACKAGE);
c_stack_action (0);
function_regexp_list.buf = &function_regexp;
ignore_regexp_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 = strtoumax (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 (OUTPUTIFDEF);
    {
        static char const C_ifdef_group_formats[] =
            "%%=%c#ifndef %s
%%<#endif /* ! %s */
%c#ifdef %s
%%>#endif /* %s */
%c#ifndef %s
%%<#else /* %s */
%%>#endif /* %s */
";
        char *b = xmalloc (sizeof C_ifdef_group_formats
            + 7 * strlen (optarg) - 14 /* 7*"%s" */
            - 8 /* 5*"%%" + 3*"%c" */);
        sprintf (b, C_ifdef_group_formats,
            optarg, 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 'l':
    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;
        }
    break;

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 (OUTPUTIFDEF);
        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 (OUTPUTIFDEF);
        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 (OUTPUTCONTEXT);
        if (ocontext < 0)
            context = 3;
    }
    else
        specify_style (OUTPUTNORMAL);
}

if (output_style != OUTPUTCONTEXT || 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 == OUTPUTCONTEXT
        || output_style == OUTPUTUNIFIED)
    && (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);
summarize_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[UN CHANGED], "%="))
        & & !*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 (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);
    }
    if (multiple_regexps)
    {
      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\n"           (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_("-l, --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_("-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_("-x, --exclude=PAT    exclude files that match PAT"),
N_("-X, --exclude-from=FILE    exclude files that match any pattern in FILE"),
N_("-S, --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_("  --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
"           
N_("-D, --ifdef=NAME    output merged file with '#ifdef NAME' diffs"),
N_("  --GTYPE-group-format=GFMT    format GTYPE input groups with GFMT"),
N_("  --line-format=LFMT    format all input lines with LFMT"),
N_("  --LTYPE-line-format=LFMT    format LTYPE input lines with LFMT"),
N_("  These format options provide fine-grained control over the output\n"           of diff, generalizing -D/--ifdef."),
N_("  LTYPE is 'old', 'new', or 'unchanged'.  GTYPE is LTYPE or 'changed'."),
N_("  GFMT (only) may contain\n%< lines from FILE1\n")
%>  lines from FILE2
%  lines common to FILE1 and FILE2
%[-][WIDTH][.[PREC]][(doxX)]LETTER  printf-style spec for LETTER
LETTERs are as follows for new group, lower case for old group:
  F  first line number
  L  last line number
  N  number of lines = L-F+1
  E  F-1
  M  L+1

%(A=B?T:E)  if A equals B then T else E",
N_("%" LFMT (only) may contain:
%L  contents of line
%I  contents of line, excluding any trailing newline
%[-][WIDTH][.[PREC]][(doxX)]n  printf-style spec for input line number"),
N_("%" Both GFMT and LFMT may contain:
%  %
%c'C'  the single character C
%c'\OOO'  the character with octal code OOO
 C  the character C (other characters represent themselves"),

",
N_("-d, --minimal  try hard to find a smaller set of changes"),
N_("-horizon-lines=NUM  keep NUM lines of the common prefix and suffix"),
N_("  --speed-large-files  assume large files and many scattered small changes"),

",
N_("  --help  display this help and exit"),
N_("  --version  output version information and exit"),

",
N_("FILES are 'FILE1 FILE2' or 'DIR1 DIR2' or 'DIR FILE...' or 'FILE... DIR'."),
N_("If --from-file or --to-file is given, there are no restrictions on FILE(s)."),
N_("If a FILE is '-', read standard input."),
N_("Exit status is 0 if inputs are the same, 1 if different, 2 if trouble."),
0
);

static void
usage (void)
{
  char const * const *p;

  printf (_,("Usage: %s [OPTION]... FILES\n"), program_name);
  printf ("%s\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)
ifdef STAT_TIMESPEC
gettime (&STAT_TIMESPEC (st, st_mtim));
#else
struct timespec t;
gettime (&t);
st->st_mtime = t.tv_sec;
#endif
if defined STAT_TIMESPEC_NS
STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
#elif defined HAVE_STRUCT_STAT_ST_SPARE1
st->st_spare1 = t.tv_nsec / 1000;
#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, NULL);
    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 = 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)

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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\n", dir, name0);

    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]))
    {
        message ("Symbolic links %s and %s differ\n", cmp.file[0].name, cmp.file[1].name);
        /* This is a difference. */
        status = EXIT_FAILURE;
    }
}
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_label[1] ? file_label[1] : cmp.file[1].name, 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, file_label[1] ? file_label[1] : cmp.file[1].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;
    }
    if (cmp.file[1].desc == UNOPENED)
    {
        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
", 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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```
1.898 libsoftware-license-perl 0.103010-3
1.898.1 Available under license :

#!/perl

use strict;
use warnings;

use Test::More tests => 26;
use Software::LicenseUtils;
use Try::Tiny;

sub _hack_guess_license_from_meta {
    my $license_str = shift;
    my @guess;
    try {
        
```
my $hack = 'license : ' . $license_str;
@guess = Software::LicenseUtils->guess_license_from_meta($hack);
return @guess;
}

my @cpan_meta_spec_licence_name = qw(
    agpl_3
    apache_1_1
    apache_2_0
    artistic_1
    artistic_2
    bsd
    freebsd
    gfdl_1_2
    gfdl_1_3
    gpl_1
    gpl_2
    gpl_3
    lgpl_2_1
    lgpl_3_0
    mit
    mozilla_1_0
    mozilla_1_1
    openssl
    perl_5
    qpl_1_0
    ssleay
    sun
    zlib
);

foreach my $license_name (@cpan_meta_spec_licence_name) {
    my @guess = _hack_guess_license_from_meta($license_name);
    ok(@guess, "$license_name -> @guess");
}

is_deeply(
    [ Software::LicenseUtils->guess_license_from_meta_key('artistic_2', 2) ],
    [ 'Software::License::Artistic_2_0' ],
);

is_deeply(
    [ Software::LicenseUtils->guess_license_from_meta_key('gpl_3', 2) ],
    [ 'Software::License::GPL_3' ],
);
is_deeply(
    [ Software::LicenseUtils->guess_license_from_meta_key('gpl_3', 1) ],
    [ ],
);

done_testing;
#!perl

use Test::More tests => 2;

note 'Checking Changes';
my $changes_file = 'Changes';
my $newver = '0.103010';
my $trial_token = '-TRIAL';

SKIP: {
    ok(-e $changes_file, "$changes_file file exists")
        or skip 'Changes is missing', 1;

    ok(_get_changes($newver), "$changes_file has content for $newver");
}

done_testing;

# _get_changes copied and adapted from Dist::Zilla::Plugin::Git::Commit
# by Jerome Quelin
sub _get_changes
{
    my $newver = shift;

    # parse changelog to find commit message
    open(my $fh, '<', $changes_file) or die "cannot open $changes_file: $!";
    my $changelog = join('', <$fh>);
    close $fh;

    my @content =
        grep { /$newver(?:$trial_token)?(?:\s+|$)/ .. /^\S/ } # from newver to un-indented
            split /
            /, $changelog;
    shift @content; # drop the version line

    # drop unindented last line and trailing blank lines
    pop @content while ( @content && $content[-1] =~ /\S\S\S\S\S\S/ );

    # return number of non-blank lines
    return scalar @content;
}
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use strict;
use warnings;
use Test::More 0.88;

# This is a relatively nice way to avoid Test::NoWarnings breaking our
# expectations by adding extra tests, without using no_plan. It also helps
# avoid any other test module that feels introducing random tests, or even
# test plans, is a nice idea.
our $success = 0;
END { $success && done_testing; }

# List our own version used to generate this
my $v = "unGenerated by Dist::Zilla::Plugin::ReportVersions::Tiny v1.10\n";

eval {                     # no excuses!
    # report our Perl details
    my $want = '5.006';
    $v .= "perl: $] (wanted $want) on $^O from $^X\n\n";
};
defined($@) and diag("$@\n");

# Now, our module version dependencies:
sub pmver {
    my ($module, $wanted) = @_; 
    $wanted = " (want $wanted)";
    my $pmver;
    eval "require $module;";
    if ($@) {
        if ($@ =~ m/Can't locate .* in @INC/) {
            $pmver = 'module not found.';
        } else {
            diag("$module: $@\n");
            $pmver = 'died during require.';
        }
    } else {
        my $version;
eval { $version = $module->VERSION; }
if ($@) {
    diag("$module: $@");
    $pmver = 'died during VERSION check.';
} elsif (defined $version) {
    $pmver = "$version";
} else {
    $pmver = '<undef>'; 
}

# So, we should be good, right?
return sprintf('%-45s => %-10s%-15s%s', $module, $pmver, $wanted, "\n");
}

eval { $v .= pmver('Carp','any version') }
eval { $v .= pmver('Data::Section','any version') }
eval { $v .= pmver('ExtUtils::MakeMaker','6.30') }
eval { $v .= pmver('File::Spec','any version') }
eval { $v .= pmver('IO::Dir','any version') }
eval { $v .= pmver('Module::Load','any version') }
eval { $v .= pmver('Sub::Install','any version') }
eval { $v .= pmver('Test::More','0.96') }
eval { $v .= pmver('Text::Template','any version') }
eval { $v .= pmver('Try::Tiny','any version') }
eval { $v .= pmver('parent','any version') }
eval { $v .= pmver('strict','any version') }
eval { $v .= pmver('warnings','any version') }

# All done.
$v .= <<'EOT';

Thanks for using my code. I hope it works for you.
If not, please try and include this output in the bug report.
That will help me reproduce the issue and solve your problem.

EOT

diag($v);
ok(1, "we really didn't test anything, just reporting data");
$success = 1;

# Work around another nasty module on CPAN. :/
no warnings 'once'
$Template::Test::NO_FLUSH = 1;
exit 0;
#!/perl
use strict;
use warnings;
use Test::More tests => 2;

use Software::License::BSD;
use Software::License::Mozilla_1_0;

# TEST
is (scalar(Software::License::BSD->url()),

'http://opensource.org/licenses/BSD-3-Clause',

"BSD->url() is OK."
);

# TEST
is (scalar(Software::License::Mozilla_1_0->url()),

'http://www.mozilla.org/MPL/MPL-1.0.txt',

"Mozilla_1_0->url() is OK."
);

#!/perl
# This file was automatically generated by Dist::Zilla::Plugin::PodSyntaxTests.
use Test::More;
use Test::Pod 1.41;

all_pod_files_ok();
# This file was automatically generated by Dist::Zilla::Plugin::Manifest v5.014.
Changes
LICENSE
MANIFEST
META.json
META.yml
Makefile.PL
README
dist.ini
lib/Software/License.pm
lib/Software/License/AGPL_3.pm
lib/Software/License/Apache_1_1.pm
lib/Software/License/Apache_2_0.pm
lib/Software/License/Artistic_1_0.pm
lib/Software/License/Artistic_2_0.pm
lib/Software/License/BSD.pm
lib/Software/License/CC0_1_0.pm
lib/Software/License/Custom.pm
lib/Software/License/FreeBSD.pm
lib/Software/License/GFDL_1_2.pm
lib/Software/License/GFDL_1_3.pm
lib/Software/License/GPL_1.pm
lib/Software/License/GPL_2.pm
use strict;
use warnings;
use Test::More 0.88;

my @files = <lib/Software/License/*.pm>:

for my $module (@files) {
    # It's retired.  Dunno if it's okay to be open_source.  Punt!
    next if $module =~ /Sun.pm$/;

    my $pkg = $module;
    $pkg =~ s{^lib/}{::}g;
    eval "require $pkg; 1";

    ok(defined $pkg->meta_name, "$pkg provide meta_name")
}
done_testing;

# This file was automatically generated by Dist::Zilla::Plugin::MakeMaker v5.014.
use strict;
use warnings;

use 5.006;

use ExtUtils::MakeMaker 6.30;

my %WriteMakefileArgs = {
    "ABSTRACT" => "packages that provide templated software licenses",
    "AUTHOR" => "Ricardo Signes <rjbs@cpan.org>",
    "BUILD_REQUIRES" => {},
    "CONFIGURE_REQUIRES" => {
        "ExtUtils::MakeMaker" => "6.30",
    },
    "DISTNAME" => "Software-License",
    "EXE_FILES" => [],
    "LICENSE" => "perl",
    "NAME" => "Software::License",
    "PREREQ_PM" => {
        "Carp" => 0,
        "Data::Section" => 0,
        "File::Spec" => 0,
        "IO::Dir" => 0,
        "Module::Load" => 0,
        "Sub::Install" => 0,
        "Text::Template" => 0,
        "parent" => 0,
        "strict" => 0,
        "warnings" => 0,
    },
    "TEST_REQUIRES" => {
        "Test::More" => "0.96",
        "Try::Tiny" => 0,
    },
    "VERSION" => "0.103010",
    "test" => {
        "TESTS" => "t/*.t"
    }
};
my %FallbackPrereqs = (  
"Carp" => 0,  
"Data::Section" => 0,  
"File::Spec" => 0,  
"IO::Dir" => 0,  
"Module::Load" => 0,  
"Sub::Install" => 0,  
"Test::More" => "0.96",  
"Text::Template" => 0,  
"Try::Tiny" => 0,  
"parent" => 0,  
"strict" => 0,  
"warnings" => 0  
);

unless ( eval { ExtUtils::MakeMaker->VERSION(6.63_03) } ) {  
delete $WriteMakefileArgs{TEST_REQUIRES};  
delete $WriteMakefileArgs{BUILD_REQUIRES};  
$WriteMakefileArgs{PREREQ_PM} = %FallbackPrereqs;  
}

delete $WriteMakefileArgs{CONFIGURE_REQUIRES}  
unless eval { ExtUtils::MakeMaker->VERSION(6.52) };

WriteMakefile(%WriteMakefileArgs);
---
abstract: 'packages that provide templated software licenses'
author:  
- 'Ricardo Signes <rjbs@cpan.org>'
build_requires:  
Test::More: '0.96'
Try::Tiny: '0'
configure_requires:  
ExtUtils::MakeMaker: '6.30'
dynamic_config: 0
generated_by: 'Dist::Zilla version 5.014, CPAN::Meta::Converter version 2.140640'
license: perl
meta-spec:  
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: '1.4'
name: Software-License
requires:  
Carp: '0'
Data::Section: '0'
File::Spec: '0'
IO::Dir: '0'
Module::Load: '0'
Sub::Install: '0'
Text::Template: '0'
parent: '0'
perl: '5.006'
strict: '0'
warnings: '0'
resources:
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  homepage: https://github.com/rjbs/Software-License
  repository: https://github.com/rjbs/Software-License.git
version: '0.103010'
x_Dist_Zilla:
  perl:
    version: '5.019010'
plugins:
  - class: Dist::Zilla::Plugin::Git::GatherDir
    name: '@RJBS/Git::GatherDir'
    version: '2.020'
  - class: Dist::Zilla::Plugin::CheckPrereqsIndexed
    name: '@RJBS/CheckPrereqsIndexed'
    version: '0.011'
  - class: Dist::Zilla::Plugin::CheckExtraTests
    name: '@RJBS/CheckExtraTests'
    version: '0.021'
  - class: Dist::Zilla::Plugin::PromptIfStale
    config:
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        check_all_plugins: 0
        check_all_prereqs: 0
      modules:
        - Dist::Zilla::PluginBundle::RJBS
          phase: build
          skip: []
          name: '@RJBS/RJBS-Outdated'
          version: '0.021'
  - class: Dist::Zilla::Plugin::PromptIfStale
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      Dist::Zilla::Plugin::PromptIfStale:
        check_all_plugins: '1'
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      modules: []
      phase: release
      skip: []
name: '@RJBS/CPAN-Outdated'
version: '0.021'

- class: Dist::Zilla::Plugin::PruneCruft
  name: '@RJBS/@Filter/PruneCruft'
  version: '5.014'

- class: Dist::Zilla::Plugin::ManifestSkip
  name: '@RJBS/@Filter/ManifestSkip'
  version: '5.014'

- class: Dist::Zilla::Plugin::MetaYAML
  name: '@RJBS/@Filter/MetaYAML'
  version: '5.014'

- class: Dist::Zilla::Plugin::License
  name: '@RJBS/@Filter/License'
  version: '5.014'

- class: Dist::Zilla::Plugin::Readme
  name: '@RJBS/@Filter/Readme'
  version: '5.014'

- class: Dist::Zilla::Plugin::ExecDir
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  name: '@RJBS/@Filter/UploadToCPAN'
  version: '5.014'

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config:
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    default_jobs: 9
  name: '@RJBS/MakeMaker'
  version: '5.014'

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  name: '@RJBS/AutoPrereqs'
  version: '5.014'

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  name: '@RJBS/Git::NextVersion'
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  version: '5.014'

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  name: '@RJBS/NextRelease'
  version: '5.014'

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  version: '0.006'

- class: Dist::Zilla::Plugin::PodSyntaxTests
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  version: '5.014'

- class: Dist::Zilla::Plugin::ReportVersions::Tiny
  name: '@RJBS/ReportVersions::Tiny'
  version: '1.10'

- class: Dist::Zilla::Plugin::Prereqs
  config:
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      phase: test
      type: requires
      name: '@RJBS/TestMoreWithSubtests'
class: Pod::Weaver::Section::Generic
name: '@RJBS/Stability'
version: '4.006'
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class: Pod::Weaver::Section::Collect
name: Attributes
version: '4.006'
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class: Pod::Weaver::Section::Collect
name: Methods
version: '4.006'
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class: Pod::Weaver::Section::Collect
name: Functions
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version: '4.006'
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class: Pod::Weaver::Plugin::Transformer
name: '@RJBS/List'
version: '4.006'
name: '@RJBS/PodWeaver'
version: '4.005'
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class: Dist::Zilla::Plugin::GithubMeta
name: '@RJBS/GithubMeta'
version: '0.42'
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class: Dist::Zilla::Plugin::Git::Check
name: '@RJBS/@Git/Check'
version: '2.020'
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class: Dist::Zilla::Plugin::Git::Commit
name: '@RJBS/@Git/Commit'
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"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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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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The End

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},
{
  "class" : "Dist::Zilla::Plugin::PodWeaver",
  "config" : {
    "Dist::Zilla::Plugin::PodWeaver" : {
      "config_plugins" : [
        "@RJBS"
      ],
      "finder" : [
        ":InstallModules",
        ":ExecFiles"
      ],
      "plugins" : [
        {
          "class" : "Pod::Weaver::Plugin::EnsurePod5",
          "name" : "@CorePrep/EnsurePod5",
          "version"
        }
      ]
    }
  }
}
#!/usr/bin/perl
use strict;
use warnings;
use Test::More tests => 5;

my $class = 'Software::License::Perl_5';
require_ok($class);

my $license = $class->new({ holder => 'X. Ample' });

is($license->holder, 'X. Ample', '(c) holder');
is($license->year, (localtime)[5]+1900, '(c) year');
like($license->name, qr/perl 5/i, "license name");
like($license->fulltext, qr/general public/i, "license text");

Revision history for Software-License

0.103010 2014-03-29 22:13:19-04:00 America/New_York
  - fix guess_license_from_pod's return on GPL licenses
    (thanks, Syohei YOSHIDA!)

0.103009 2014-02-20 22:19:45-05:00 America/New_York
  - Updated FSF mailing address in license text for GFDL versions 1.2,
    GPL versions 1 & 2, and LGPL 2.1
- faster! thanks, charsbar!
- add new_from_short_name to LicenseUtils for spdx.org-style short names; thanks, Dominique Dumont!
- avoid double trailing dots in expanded licenses; thanks, Dave Rolsky!
- fix some errors in (3-clause) BSD license text
- the 2-clause BSD ("FreeBSD") license no longer incorrectly puts "FreeBSD" as the owner in the license full text

- fix regex to allow guessing from meta things like perl_5 (thanks, Kevin Dawson!)

- replace 'use base' with 'use parent'

- try harder to identify licenses from all installed License classes; this is an @INC-scanning change, so be vigilant; thanks, David Golden!

- add MPL 2.0 (thanks, Bernhard Amann)

- update FSF's address

- use more direct links to GFDL 1.2 and 1.3

- add GFDL 1.3

- re-import text of GPL 1 and 2 to get new FSF address (RT #67795)

- improve method dependency chains (thanks, Flavio Poletti)

- add Custom license to stick the whole license in a file
  -- still probably a bit experiemntal -- thanks, Flavio Poletti

- add note to Artistic 2 that it's GPL compatible

- add PostgreSQL
alter the output of None to look a bit less repetitive (ABRAXXA)

LGPL_3_0 now includes GPL_3 in its fulltext (RT #47135)

"None" should be "restrictive" on 1.4, not "restricted"

Artistic licenses' meta2_name should not have a trailing _0

add the meta2_name method for META.json files in schema v2

added the None and CC0_1_0 licenses for the far ends of the spectrum
(thanks to Brian Phillips for None)

up the Test::More prereq

add meta_name to almost all remaining licenses, and add a test

add meta_name to Artistic 2 (thanks, Bernardo Rechea)

added guess_license_from_meta which is both JSON and YAML compatible
(BRICAS)

clarify references to Perl in Perl_5 license
rename things that were YAML-specific to just be "meta"

add url methods where they were missing (Shlomi Fish)

add repo loc to metadata

fix behavior when guessing multiple items from meta.yml
(RT #36805, thanks bricas!)

fix detection of the various GNU licences
refactor inline template logic out to Data::Section

add meta_yml_name method

documentation fixes

[CHANGES THAT WILL BREAK YOUR CODE]
_from_pm is now _from_pod
"guess" methods return a list

[ENHANCEMENTS]
guess_license_from_meta_yml (thanks, Brian Cassidy!)

added Software::LicenseUtils (by request)
added ->url method to licenses
fix POD for Mozilla 1.1
add LGPL 3

minor packaging fixes

pre-release for public evaluation

name = Software-License
author = Ricardo Signes <rjbs@cpan.org>
license = Perl_5
copyright_holder = Ricardo Signes

[@RJBS]
#!perl
use strict;
use warnings;

use Test::More tests => 6;

my $class = 'Software::LicenseUtils';
require_ok($class);

my $license = $class->new_from_short_name({
    short_name => 'GPL-1',
    holder => 'X. Ample'
});
is($license->holder, 'X. Ample', '(c) holder');
is($license->year, (localtime)[5]+1900, '(c) year');
isa_ok($license, 'Software::License::GPL_1', "license class");
like($license->name, qr/version 1/i, "license name");
like($license->fulltext, qr/general public/i, 'license text');
#!perl
use strict;
use warnings;
use Test::More;
use Software::License::Custom;

my $slc = Software::License::Custom->new(
    holder => 'A. U. Thor',
    year => 1972,
    filename => 't/custom-license'
);
isa_ok($slc, 'Software::License');

is($slc->name, 'The Foo-Bar License', 'name');
is($slc->url, 'http://www.example.com/foo-bar.txt', 'url');
is($slc->meta_name, 'foo_bar_meta', 'meta_name');
is($slc->meta2_name, 'foo_bar_meta2', 'meta2_name');
is($slc->notice, <<'END_OF_NOTICE', 'notice');
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This is free software, licensed under The Foo-Bar License.
END_OF_NOTICE
is($slc->license, <<'END_OF_LICENSE', 'license');
    The Foo-Bar License

Well... this is only some sample text. I'm true... only sample text!!!

Yes, spanning more lines and more paragraphs.
END_OF_LICENSE
is($slc->fulltext, <<'END_OF_FULLTEXT', 'fulltext');
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    The Foo-Bar License

Well... this is only some sample text. I'm true... only sample text!!!

Yes, spanning more lines and more paragraphs.
END_OF_FULLTEXT

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done_testing;

1.899 linux-kernel 3.10.0 514.26.2.el7

1.899.1 Available under license:

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 * *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
 * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
 * *
 * Implementing minimal-copy of received data:
 * IDT always receives data into a small buffer, then large buffers
 * as needed. This means that data must always be copied to create
 * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 * Fix is simple: make large buffers large enough to hold entire
 * SDU, and leave <small_buffer_data> bytes empty at the start. Then
 * copy small buffer contents to head of large buffer.
 * Trick is to avoid fragmenting Linux, due to need for a lot of large
 * buffers. This is done by 2 things:
 * 1) skb->destructor / skb->atm.recycle_buffer
 * combined, allow nicstar_free_rx_skb to be called to
 * recycle large data buffers
 * 2) skb_clone of received buffers
 * See nicstar_free_rx_skb and linearize_buffer for implementation
 * details.
*
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*
* M. Welsh, 6 July 1996
*
*
*/

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Ty Coon, President of Vice

That's all there is to it!
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for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for the nxt2004 frontend driver

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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)
Contributors to bttv:

**Michael Chu** <mchu@pobox.com>
AverMedia fix and more flexible card recognition

**Alan Cox** <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

**Chris Kleitsch**
Hardware I2C

**Gerd Knorr** <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)
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. The file `src/libs/snprintf/snprintf.c', written by Mark Martinec <mark.martinec@ijs.si>.

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The complete snprintf package together with documentation is available from

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The original package can be found at

    src/preproc/grn/gprint.h
    src/preproc/grn/hdb.cpp
    src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.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

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The -mdoc macro set, using the BSD license.

tmac/doc.tmac
tmac/doc-old.tmac
Hyphenation Patterns

The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at

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

It has been renamed for consistency, i.e., to make patterns available under the filenames `hyphen.<language>', e.g. `hyphen.de' or `hyphen.uk'. See the file itself for a copyright notice.

The file `tmac/hyphen.fr' contains the same patterns as the file `frhyph.tex' (for TeX), which can be found at

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1.913 xerces-j 2.11.0

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Ty Coon, President of Vice

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1.915 visual-studio-runtime 8.1.2-10

1.915.1 Available under license:

A. HISTORY OF THE SOFTWARE

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

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

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

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

(For example, a function in a library to compute square roots has
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1.929 nginx 0.31

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1.930 requirejs 2.1.20
1.931 berkeley-db 5.3.21 25.el7

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@item 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 distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

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@end ifinfo

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@end enumerate

@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.

@example
@example
\verb|\begin{verbatim}
one line to give the program's name and a brief idea of what it does.}
\end{verbatim}\|\verb|\end{example}

Copyright (C) \verb|\var{yyyy}| \verb|\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
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(at your option) any later version.

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along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.

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
@example
\verb|\begin{verbatim}
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{verbatim}\|\verb|\end{example}

The hypothetical commands `\verb|\samp{show w}|' and `\verb|\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 `\verb|\samp{show w}|' and
`\verb|\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.
@end example

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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as the successor of the GNU Library Public License, version 2, hence the
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@end display

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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 \textit{Lesser} General Public License because it does \textit{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers \textit{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

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@item
This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called `this License`). Each licensee is addressed as `you`.
A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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

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

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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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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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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.

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threshold for this to be true is not precisely defined by law.

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

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

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

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

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than
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@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.

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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Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library.
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@end enumerate

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@end enumerate

@subheading END OF TERMS AND CONDITIONS

@page
@subheading How to Apply These Terms to Your New Libraries

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USA.

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You should also get your employer (if you work as a programmer) or your
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necessary. Here is a sample; alter the names:

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`Frob' (a library for tweaking knobs) written by James Random Hacker.

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Version 3, 29 June 2007

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1.936 base-passwd 3.5.37

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<signature of Ty Coon>, 1 April 1989
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1.941 zlib 1.2.3

1.941.1 Available under license:

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

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1.942 procps 3.3.9-9
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If such an object file uses only numerical parameters, data
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```
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1.944 keyutils 1.5.9-5+b1

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

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

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

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

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

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

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

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

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

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1.945 init-system-helpers 1.22

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<signature of Ty Coon>, 1 April 1990
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

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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/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd/Makefile: ... here.
* sysdeps/unix/bsd4.4/Versions: Move to ...
* sysdeps/unix/bsd/Versions: ... here.
* sysdeps/unix/bsd4.4/bits/sockaddr.h: Move to ...
* sysdeps/unix/bsd/bits/sockaddr.h: ... here.
* sysdeps/unix/bsd4.4/cmsg_nxthdr.c: Move to ...
* sysdeps/unix/bsd/cmsg_nxthdr.c: ... here.
* sysdeps/unix/bsd4.4/sigblock.c: Move to ...
* sysdeps/unix/bsd/sigblock.c: ... here.
* sysdeps/unix/bsd4.4/sigsetmask.c: Move to ...
* sysdeps/unix/bsd/sigsetmask.c: ... here.
* sysdeps/unix/bsd4.4/sigvec.c: Move to ...
* sysdeps/unix/bsd/sigvec.c: ... here.
* sysdeps/unix/bsd4.4/tcdrain.c: Move to ...
* sysdeps/unix/bsd/tcdrain.c: ... here.
* sysdeps/unix/bsd4.4/tcgetattr.c: Move to ...
* sysdeps/unix/bsd/tcgetattr.c: ... here.
* sysdeps/unix/bsd4.4/tcsetattr.c: Move to ...
* sysdeps/unix/bsd/tcsetattr.c: ... here.
* sysdeps/unix/bsd4.4/wait.c: Move to ...
* sysdeps/unix/bsd/wait.c: ... here.
* sysdeps/unix/bsd4.4/wait3.c: Move to ...
* sysdeps/unix/bsd/wait3.c: ... here.
* sysdeps/unix/bsd4.4/waitpid.c: Move to ...
* sysdeps/unix/bsd/waitpid.c: ... here.

diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d52341e1fd1522 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.
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-unix/bsd/bsd4.4
+unix/bsd
diff --git a/sysdeps/unix/bsd4.4/Makefile b/sysdeps/unix/bsd/Makefile
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Makefileename to sysdeps/unix/bsd/Makefile
diff --git a/sysdeps/unix/bsd4.4/Versions b/sysdeps/unix/bsd/Versions
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Versions
rename to sysdeps/unix/bsd/Versions
diff --git a/sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h b/sysdeps/unix/bsd/bits/sockaddr.h
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h
rename to sysdeps/unix/bsd/bits/sockaddr.h
diff --git a/sysdeps/unix/bsd/bsd4.4/syscalls.list b/sysdeps/unix/bsd4.4/syscalls.list
deleted file mode 100644
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd4.4/syscalls.list
+++ /dev/null
@@ -1,8 +0,0 @@
-# File nameCallerSyscall name# argsStrong nameWeak names
-
-chflags-chflags2chflags
-fchflags-fchflags2fchflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstacksigaltstack
-wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd4.4/cmsg_nxthdr.c b/sysdeps/unix/bsd/cmsg_nxthdr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c
rename to sysdeps/unix/bsd/cmsg_nxthdr.c
diff --git a/sysdeps/unix/bsd4.4/sigblock.c b/sysdeps/unix/bsd/sigblock.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigblock.c
rename to sysdeps/unix/bsd/sigblock.c
diff --git a/sysdeps/unix/bsd4.4/sigsetmask.c b/sysdeps/unix/bsd/sigsetmask.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigsetmask.c
rename to sysdeps/unix/bsd/sigsetmask.c
diff --git a/sysdeps/unix/bsd4.4/sigvec.c b/sysdeps/unix/bsd/sigvec.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigvec.c
rename to sysdeps/unix/bsd/sigvec.c
diff --git a/sysdeps/unix/bsd/syscalls.list b/sysdeps/unix/bsd/syscalls.list
index e84819dc1f19d148..9f48a144d475f342 100644
--- a/sysdeps/unix/bsd/syscalls.list
+++ b/sysdeps/unix/bsd/syscalls.list
+chflags-chflags2chflags
+fchflags-fchflags2fchflags
flock-flock2__flock
getdents-getdirenties4__getdirentiesgetdirenties
getdtsz-getdtablesize0__getdtablesizegetdtablesize
getpagesize-getpagesize0__getpagesizegetpagesize
killpg-killpg2killpg
-sigblock-sigblock1__sigblocksigblock
+revoke-revoke1revoke
+sigaltstack-sigaltstack2__sigaltstacksigaltstack
sigpause-sigpause1__sigpausesigpause
-sigsetmask-sigsetmask1__sigsetmasksigsetmask
sigstack-sigstack2sigstack
-sigvec-sigvec3__sigvecsvec
-wait3-wait33__wait3wait3
-waitpid-waitpid3__waitpidwaitpid
+wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd4.4/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcdrain.c
rename to sysdeps/unix/bsd/tcdrain.c
diff --git a/sysdeps/unix/bsd4.4/tcgetattr.c b/sysdeps/unix/bsd/tcgetattr.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcgetattr.c
rename to sysdeps/unix/bsd/tcgetattr.c
diff --git a/sysdeps/unix/bsd4.4/tcsetattr.c b/sysdeps/unix/bsd/tcsetattr.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcsetattr.c
rename to sysdeps/unix/bsd/tcsetattr.c
diff --git a/sysdeps/unix/bsd4.4/wait.c b/sysdeps/unix/bsd/wait.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait.c
rename to sysdeps/unix/bsd/wait.c
diff --git a/sysdeps/unix/bsd4.4/wait3.c b/sysdeps/unix/bsd/wait3.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait3.c
rename to sysdeps/unix/bsd/wait3.c
diff --git a/sysdeps/unix/bsd4.4/waitpid.c b/sysdeps/unix/bsd/waitpid.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/waitpid.c
rename to sysdeps/unix/bsd/waitpid.c
diff --git a/sysdeps/unix/sysv/linux/wait3.c b/sysdeps/unix/sysv/linux/wait3.c
index 0b3bdcc771782b7b..2ff027f0e1d83eb2 100644
--- a/sysdeps/unix/sysv/linux/wait3.c
+++ b/sysdeps/unix/sysv/linux/wait3.c
@@ -1 +1 @@
-#include <sysdeps/unix/bsd/bsd4.4/wait3.c>
+#include <sysdeps/unix/bsd/wait3.c>

1.948 jacksondatatypejdk 2.7.8
1.948.1 Available under license :

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1.949 xz 5.2.2 1.el7
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1.957 mongodb 3.6.8

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------------------------------------------------------------
mgo - MongoDB driver for Go

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tomb - support for clean goroutine termination in Go.

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Written by: Philip Hazel
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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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jloup@gzip.org          madler@alumni.caltech.edu

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tomb - support for clean goroutine termination in Go.

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1.975 kerberos 1.16

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/* mode: c; c-basic-offset: 4; indent-tabs-mode: nil */
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lib/gssapi/mechglue/g_acquire_cred
lib/gssapi/mechglue/g_canon_name
lib/gssapi/mechglue/g_compare_name
lib/gssapi/mechglue/g_context_time
lib/gssapi/mechglue/g_delete_sec_context
lib/gssapi/mechglue/g_dsp_name
lib/gssapi/mechglue/g_dsp_status
lib/gssapi/mechglue/g_dup_name
lib/gssapi/mechglue/g_exp_sec_context
lib/gssapi/mechglue/g_export_name
lib/gssapi/mechglue/g_glue
and the initial implementation of incremental propagation, including
the following new or changed files:

```c
include/gprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/ipropx
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/krb5/error_tables
kprop/kpropd_rpc.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in `src/lib/gssapi`\`, including the following files:

```
.. parsed-literal::

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

.. parsed-literal::

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

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lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
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lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
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    FILE_SUFFIX: '.html',
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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 not code_seen and not nonlicense_seen:
            if line[0] in (' ', '#', '-', '+', '!', '*') and line[1].isalpha():
                code_seen = True
            elif line[0] in ' ]},(' and line[1].isalpha():
                nonlicense_seen = True
        elif not code_seen:
            if line[0] in ' ]},(' and line[1].isalpha():
                nonlicense_seen = True
            elif line[0] in (' ', '#', '-', '+', '!', '*') and line[1].isalpha():
                code_seen = True
        elif not nonlicense_seen:
            if line[0] in ' ]},(' and line[1].isalpha():
                nonlicense_seen = True
            elif line[0] in (' ', '#', '-', '+', '!', '*') and line[1].isalpha():
                code_seen = True
        if text_seen and not code_seen and not nonlicense_seen:
            warn(fname, ln, line + 1)
            return True
        if line[1].isdigit() or line[1] in '.,;:
            text_seen = True
    return False
if text_seen:
    warn(fname, ln, 'License begins after first line of comment')
elif code_seen:
    warn(fname, ln, 'License after code')
elif nonlicense_seen:
    warn(fname, ln, 'License after non-license comments')
break
# DB2 licenses start with '/*-' and we don't want to change them.
if line != '' and line != '-':
    text_seen = True
return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1
    # Check filename comment if present.
    m = re.match(r'/\* ([^ \*\*\]*)\([- \*\*\]*) \*/', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1
    # Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'\s\*\*\*\?\*\*\*/', '', 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
1.976 sto-trust 7-20181115212006

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Version 2.1, February 1999

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

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Protocol Buffers for Go with Gadgets

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

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https://github.com/golang/protobuf

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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

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* MoreFiles

* A collection of File Manager and related routines

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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

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Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
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1.1001 sudo 1.8.23-4.el7_7.2

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Nikitser, Peter A.
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The following people have worked to translate sudo into other languages:

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)*/
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
* 
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* 
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
* 
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*      combined, allow nicstar_free_rx_skb to be called to
*      recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
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*
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*
* M. Welsh, 6 July 1996
*
*
*/

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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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for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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

#endif
```

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1.1011 liblog-message-simple-perl 0.10-2
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Source: https://metacpan.org/release/Log-Message-Simple
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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:
a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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

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

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

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

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

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

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

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

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1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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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.

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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

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

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

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

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

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

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

b) 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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Appendix: How to Apply These Terms to Your New Libraries

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

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Version 3, 29 June 2007

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An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work.

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

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

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

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

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

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

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

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====

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*uganda.txt*    For Vim version 7.4. Last change: 2013 Jul 06

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VIM REFERENCE MANUAL    by Bram Moolenaar

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

SUMMARY

*iccf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

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

You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

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

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=== end of license ===

Note:

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

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all
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 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:ft=help:norl:

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1.1024 libmodule-pluggable-perl 5.1-1
1.1024.1 Available under license:

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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: Module-Pluggable
Source: https://metacpan.org/release/Module-Pluggable
Upstream-Contact: Simon Wistow <simon@thegestalt.org>

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1.1025 rdma-cm 3.10.0-1062.12.1.el7.x86_64
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A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.
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/\ 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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ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)

TI DSP/Bridge Driver - Contributors File

The DSP/Bridge project wish to thank all of its contributors, current bridge driver is the result of the work of all of them. If any name is accidentally omitted, let us know by sending a mail to omar.ramirez@ti.com or x095840@ti.com.

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1.1029 hardlink 1.0 19.el7

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1.1030 exim 4.84.2-2+deb8u4

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This is a custom made configuration package for Debian GNU/Linux’s
prepackaged version of exim4, a powerful yet easy to configure mail
transport agent.

This package was originally made by create-custom-package, a script
written by Marc Haber <mh+debian-packages@zugschlus.de> using work
provided by Andreas Metzler <ametzler@downhill.at.eu.org>. create-custom-package uses the exim4 source package to build this source package.

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This is Debian GNU/Linux's prepackaged version of exim, a powerful yet easy to configure mail transport agent.

This package was put together from the original sources which are maintained by Philip Hazel <ph10@cus.cam.ac.uk>, and which were obtained from ftp://ftp.csx.cam.ac.uk/pub/software/email/exim/

Some modifications to the Makefiles have been made to fit with the Linux FHS.

The exim content filtering extension, formally known as the exiscan-acl patch, and which is included in exim4-daemon-heavy, was written by Tom Kistner <tom@duncanthrax.net>.
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Debian Maintainer history:
- The Debian package for exim was originally made by Tim Cutts <timc@chiark.greenend.org.uk>.
- Mark Baker <mbaker@iee.org> took over until exim version 3 and is still involved with packaging.
- Steve Haslam, Hilko Bengen and Marc Haber generated the initial packages of Exim v4.
- The exim4 packages are currently maintained by
  - Core Team
  - (mh) Marc Haber <mh+debian-packages@zugschlus.de> (team leader)
  - (am) Andreas Metzler <ametzler@downhill.at.eu.org> (uploader)
  - Commit Privileges
  - (hb) Hilko Bengen <sbengen@debian.org> (documentation, hacks etc)
  - (cb) Christian Perrier <bubulle@debian.org> (translations)

The following people helped in preparing the exim4 packages and gave
important feedback:
- Marc Merlin provides the dlopen patch, making it possible to load local_scan-routines for a external shared object.
The original patch was written by David Woodhouse, it was modified first by Derrick ’dman’ Hudson and afterwards by Marc Merlin.
- Sander Smeenk provided the TLS-docs and the script to generate the self-signed certificates.
- The people on the exim4debian list that submitted bug-reports and -fixes, and helped with design issues: Matthias Klose, Alexander Koch, Ola Lundqvist, Andrew Mulholland, David Pashley, Andreas Piesk, Nick Phillips and whoever I forgot to mention.
- syslog2eximlog script by Martin Godisch.
- Hilko Bengen converted the Debian documentation from plain-text to XML format.

________________________________________________________

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INCORPORATED CODE

A number of pieces of external code are included in the Exim distribution.

- Regular expressions are supported in the main Exim program and in the Exim monitor using the freely-distributable PCRE library, copyright (c) 2003 University of Cambridge. The source is distributed in the directory src/pcre. However, this is a cut-down version of PCRE. If you want to use the PCRE library in other programs, you should obtain and install the full version from ftp://ftp.csx.cam.ac.uk/pub/software/programming/pcre.

- Support for the cdb (Constant DataBase) lookup method is provided by code contributed by Nigel Metheringham of Planet Online Ltd. which contains the following statements:

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  The implementation is completely contained within the code of Exim. It does not link against an external cdb library.

- Client support for Microsoft's "Secure Password Authentication" is provided by code contributed by Marc Prud'hommeaux. Server support was
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Support for calling the Cyrus "pwcheck" and "saslauthd" daemons is provided by code taken from the Cyrus-SASL library and adapted by Alexander S. Sabourenkov. The permission notice appears below, in accordance with the conditions expressed therein.

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Some of the code to support the use of maildirsize files for maildir deliveries is taken from the Courier Imapd source code. This code is released under the GPL.

--
Philip Hazel     University of Cambridge Computing Service,
ph10@cus.cam.ac.uk   Cambridge, England. Phone: +44 1223 334714.

src/pdkim/*
**PDKIM** - a RFC4871 (DKIM) implementation
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-----------------------------------------------------------------
Generating a tarball from CVS snapshot.

Upstream is keeping sourcecode and documentation (including changelog) in separate CVS modules: exim-src and exim-doc. However the release tarball contains parts from both modules.

1. Use exim-src modules as base
2. Generate a doc subdirectory containing the contents of exim-doc/doc-txt/
3. Take exim-doc and build the txt files You will need xfpt, xmlto, docbook-xsl and w3m.
   cd doc-docbook ; make spec.txt filter.txt exim.8
Copy the three files to exim-version/doc/

**1.1031 apk-tools 2.10.1-r0**

**1.1032 ncurses 5.9 14.20130511.el7_4**

**1.1032.1 Available under license :**
Upstream source http://invisible-island.net/ncurses/ncurses-examples.html

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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**1.1033 popt 1.16 10**

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1.1035 libsepol 2.6-2

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This package was debianized by Russell Coker <russell@coker.com.au> on
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include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
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The End

1.1045 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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--- end ---
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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 `integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.
#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#  include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
#  pragma once
#endif

#include <cstddef>

namespace boost {
namespace interprocess {
namespace ipcdetail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
};

typedef bool_<true>        true_; 
typedef bool_<false>       false_;
typedef true_ true_type;
typedef false_ false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template<
    bool C
    , typename T1
    , typename T2
>
struct if_c
{
    typedef T1 type;
};

template<
    typename T1
    , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>

struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace ipcdetail {
} //namespace interprocess {
} //namespace boost {

#endif //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
/*

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* 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() << "</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
    i = m_license_data.begin();
    j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output.");
    }
std::runtime_error e(msg);
boost::throw_exception(e);
}

os <<
"<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN"">\n"
"<html>\n"
"<head>\n"
"<title>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}

os <<
"</title>\n"
"</head>\n"
"<body>\n"
"<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>
os << "<a href="#details">Licence Details</a>
while(i != j)
{
    // title:
    os << "<A href=""#input"">\n"
        << make_link_target(licenses.first[i->first].license_name)
        << "">\n"
    licenses.first[i->first].license_name << "</a>\n";
    ++i;
}

os << "<a href="#files">Files with no recognised license</a>\n" << "<a href="#copyright">Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
{
    os <<
    "Moving to the Boost Software License...\n"
    "<a href="#bsl-converted">Files that can be automatically converted to the Boost Software License</a>\n"
    "<a href="#to-bsl">Files that can be manually converted to the Boost Software License</a>\n"
    "<a href="#not-to-bsl">Files that can NOT be moved to the Boost Software License</a>\n"
    "<a href="#need-bsl-authors">Authors we need to move to the Boost Software License</a>\n"
    "<a href="#copyright">Copyright Holder Information</a>\n";
os << "<a href="#depend">File Dependency Information</a>
";

// input Information:
//
ostringstream os;

if(m_scan_mode)
    os << "The following files were scanned for boost dependencies:<BR>
";
else
    os << "The following Boost modules were checked:<BR>
";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<BR>
";
    ++si;
}

os << "The Boost path was: <code>" << m_boost_path.string() << "</code></p>
"
//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex("\s*\#define BOOST_VERSION\((\d+)\);\s*");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what[1]);
    os << "The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100 << "</p>";
}

//
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    //
    // start with the summary:
    //
<h2>Licence Summary</h2>

```cpp
while(i != j)
{
    // title:
    os << "<H3>" << licenses.first[i->first].license_name << "</H3>";

    // license text:
    os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";

    // Copyright holders:
    os << "<P>This license is used by " << i->second.authors.size() << " authors and " << i->second.files.size() << " files <a href="#" name=""<<(licenses.first[i->first].license_name) >> "><br/>(see details)</a>";
    os << "</P></BLOCKQUOTE>";
    ++i;
}
```

// and now the details:

```cpp
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
```

```cpp
os << "<a name="details"></a><h2>Licence Details</h2>
```

```cpp
while(i != j)
{
    // title:
    os << "<H3><A name=""<<(licenses.first[i->first].license_name) >> "">" << 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:";<BLOCKQUOTE><P>
```

```cpp
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;
}
```

```cpp
os << "</P></BLOCKQUOTE>";
```

```cpp
// Files using this license:
```

```cpp
os << "<P>This license applies to the following " << i->second.files.size() << " files:";
```

```cpp
os << "</P><BLOCKQUOTE><P>
```
std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while (m != n)
{
    os << split_path(m_boost_path, *m) << "<br>
    ++m;
}
os << "</P></BLOCKQUOTE>\n";
}
else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).\n";
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).\n";
}
++license_index;
++i;
}
//
// Output list of files not found to be under license control:
//
os << "<h2><a name="files">Files With No Recognisable Licence</a></h2>\n"
"<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:\n";
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while (i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    ++i2;
}
os << "</P></BLOCKQUOTE>\n";
//
// Output list of files with no found copyright holder:
//
os << "<h2><a name="authors">Files With No Recognisable Copyright Holder</a></h2>\n"
"<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
holder:\n";
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while (i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    ++i2;
}
os << "</P></BLOCKQUOTE>\n";
if (!m_bsl_summary_mode)
// Output list of files that can be automatically converted to the Boost Software License
// verification.
//
// os << "<ch2><a name="bsl-converted">Files that can be automatically converted to the Boost Software License</a></h2><\n"
   << "The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:"<<\n"
   if (!m_converted_to_bsl.empty())
   {
   typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
   ::const_iterator conv_iterator;
   conv_iterator i = m_converted_to_bsl.begin(),
   ie = m_converted_to_bsl.end();
   int file_num = 1;
   while (i != ie)
   {
   os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
   "<\tt><br>\n<table border="1">\n<tr><td><pre>"
   "<i>i->second.first "</pre></td><\n<tr><td><pre>"
   "<i>i->second.second "</pre></td><\n</tr></table></\n";
   ++i;
   ++file_num;
   }
   }
//
// Output list of files that could be moved over to the Boost Software License
//
"<p>The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost Software License, but have not yet been:"<<p><\n"<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>\n"
   "<i>i2++;
   }
   os << "</p></BLOCKQUOTE>
";
//
// Output list of files that can not be moved over to the Boost Software License
//
"<p>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:"<<p><\n"<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>";
"<P>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><P>
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">";
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 << "<tr>" << ad->first; // add first column
    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 << "</td></tr>
    ++ad;
}
os << "</table>";
} // output file dependency information:
//
os << "<H2><a name="depend"></a>File Dependency Information</H2><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;
}

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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Distributed under the Boost Software License, Version 1.0.
(See accompanying file LICENSE_1_0.txt or copy at
http://www.boost.org/LICENSE_1_0.txt).
*/
<?xml version="1.0" encoding="utf-8"?>

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Jeff Garland
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[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements for an [Integral Constant type].

Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from `integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.

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<!-- boost-no-inspect -->
<!-- HTML header for doxygen 1.8.9.1-->
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
Adapters for Boost.MPL containers. More...
def authors(filename):
    log = run(['git', 'log', '--follow',
               '--date=short', '--format=%aN%09%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}'
            yield author, fmt.format(start.year, end.year)

new_copyright(filename, previous)
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>[^\(\)])\)?\s*?copyright\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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//

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// http://www.boost.org/LICENSE_1_0.txt)
//
//
/////////////////////////////////////////////////////////////////////////////

#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 <boost/intrusive/detail/mpl.hpp>

#include <cstddef>

namespace boost {
namespace container {
namespace dtl {

using boost::move_detail::integral_constant;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;
using boost::move_detail::identity;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;

}}}

#endif // BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

}}}
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>

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

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<!DOCTYPE html>
<html>
<head></head>
<body>
<h3>Copyright Test</h3>
<p class="copyright">1963, 1964, 1965 Jane Doe</p>
<p class="copyright">2018 Joe Blow, John Coe</p>
<p class="copyright">1977, 1985 Someone else</p>
</body>
</html>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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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>

#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

#endif //BOOST_CONFIG_HPP
#include <boost/config.hpp>
#endif

#include <boost/intrusive/detail/config_begin.hpp>

#if defined(BOOST_HAS_PRAGMA_ONCE)
pragma once
#endif

#include <boost/intrusive/detail/config_begin.hpp>
```cpp
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>

namespace boost {
    namespace intrusive {
        namespace detail {
            using boost::move_detail::is_same;
            using boost::move_detail::add_const;
            using boost::move_detail::remove_const;
            using boost::move_detail::remove_cv;
            using boost::move_detail::remove_reference;
            using boost::move_detail::add_reference;
            using boost::move_detail::remove_pointer;
            using boost::move_detail::add_pointer;
            using boost::move_detail::true_type;
            using boost::move_detail::false_type;
            using boost::move_detail::enable_if_c;
            using boost::move_detail::enable_if;
            using boost::move_detail::disable_if_c;
            using boost::move_detail::disable_if;
            using boost::move_detail::is_convertible;
            using boost::move_detail::if_c;
            using boost::move_detail::if_;
            using boost::move_detail::is_const;
            using boost::move_detail::identity;
            using boost::move_detail::alignment_of;
            using boost::move_detail::is_empty;
            using boost::move_detail::addressof;
            using boost::move_detail::integral_constant;
            using boost::move_detail::enable_if_convertible;
            using boost::move_detail::disable_if_convertible;
            using boost::move_detail::bool_;
            using boost::move_detail::true_;
            using boost::move_detail::false_;
            using boost::move_detail::yes_type;
            using boost::move_detail::no_type;
            using boost::move_detail::apply;
            using boost::move_detail::eval_if_c;
            using boost::move_detail::eval_if;
            using boost::move_detail::unvoid_ref;
            using boost::move_detail::add_const_if_c;

            template<std::size_t S>
            struct ls_zeros {
                static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
            };
```

template<>
struct ls_zeros
{
    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 TNAME, 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,\ TNAME, TIMPL)\ typename INSTANTIATION_NS_PREFIX\ boost_intrusive_eval_default_type_##TNAME< T, TIMPL >::type\  
//
#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;\  
  
```


```cpp
#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>*); \  
static<typename T> static ::boost::intrusive::detail::no_type test(...); \  
public: \  
static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type); \  
}; \  

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME) \  
template <typename Type> \  
struct TRAITS_NAME \  
{ \  
struct BaseMixin \  
{ \  
    void FUNC_NAME(); \  
}; \  
struct Base : public Type, public BaseMixin { Base(); }; \  
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) \  
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 intrusive
```
namespace boost

#include <boost/intrusive/detail/config_end.hpp>

//namespace boost

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN" "http://www.boost.org/tools/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $">
<title>Copyright Test</title>
<articleinfo>
<copyright>
<year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
</copyright>
<copyright>
<year>2018</year> <holder>Joe Blow, John Coe</holder>
</copyright>
<copyright>
<year>1977</year> <year>1985</year> <holder>Someone else</holder>
</copyright>
</articleinfo>
<article>
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in
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 Detlefsl(detlefsl@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the 
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the 
current typed allocation facility. (His dynamic type inference code hasn’t 
made it into the released version of the collector, yet.)

Maybe this should pass?
This package was debianized by Vladimir Prus <ghost@cs.msu.su> on 

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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>

template <int i>
struct t { };
using vector = `<% p = mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %> >`;

int main() { }
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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/transform.hpp>
#include <boost/mpl/vector.hpp>

template <typename X>
struct f { using type = X; };

template <int i>
struct t { };

using vector = `<% p = 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 =
[
  [ "integral_c", "structboost_1_1mpl_1_1integral__c.html", null ],
  [ "list", "structboost_1_1mpl_1_1list.html", null ],
  [ "vector", "structboost_1_1mpl_1_1vector.html", null ]
];
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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
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People

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<li>Tomas Gustavsson <tomassg&#064;primekey.se> - initial implementation of the AuthorityInformationAccess,
SubjectKeyId, Certificate, AuthorityKeyId, CRLNumber, CRLReason, CertificatePolicies,
V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to GeneralName
class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes.
getRevocationReason() patch for OCSP. Patch to SemanticsInformation to prevent ClassCastException.
Eugen Kuleshov <euxx@hotmail.com> - optimisations for Blowfish, assistance with PKCS12/keytool interoperability.

Megan Woods <meganwoods@sekurafile.com> - initial implementation of ECIES.

Christian Geuer-Pollmann <geuerp@apache.org> - adding IV's to the AESWrap implementations. Initial implementation of DESedeWrap.

Michael M. & #252;hle <michael@mouling.de> - contributing the initial CertPath implementation and compatibility classes, fixing provider bug in JDK 1.1 java.security.cert.CertificateFactory compatibility class.

Michael Mansell <me@michaelmansell.com> - fixing the parsing of the empty DER set in the ASN.1 library.

Eike Recker <eike.recker@mx.de> - fixing misspelling of provider reference for RSA/1 and RSA/2.

Chris Southern <CSouthern@baltimore.com> - fixing misuse of specified provider in the PKCS10 certification request class.

Sidney Markowitz <sidney@sidney.com> - fixing null pointed exception on unknown OID in X509Name class, initial implementation of the three AES engines.

Chris Kerr <ckerr@filonet.ca> - initial implementation of the cms, asn1.cms, and the mail/smime packages, assistance in simplifying the ASN.1 package, miscellaneous other optimisations, NIST CertPath certification test, PKIXPolicyNode class, CertPath subtree validation and policy tree construction.

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Mike Bean <mbean@lucentradius.com> - fixing the fall through bug in the IV algorithm parameters class.

Martin Petraschek <e9526225@student.tuwien.ac.at> - fixing ASN1 tagging so tag values up to 30 are now supported.

Jess Garms <jgarms@yahoo.com> - fixing 112/168 key size bug for DESede key generation.

Mike Bremford <mike@big.faceless.org> - contributing the initial PKCS7 implementation.

Shankar Srinivasan <ssr002@yahoo.com> - S/Mime interoperability testing and debugging.

Stef Hoeben <ilsestef@skynet.be> - adding Montgomery multiplication to the BigInteger class.

Klaudiusz Ciosk <kciosk@max.com.pl> - improving the compatibility of the SMIME package with the Sun JCE.

Thomas Houtekier <Thomas.Houtekier@tectrade.net> - S/Mime testing and debugging. Interoperability with Bztalk.

Don Hillsberry <hillsber@ssl.com> - S/Mime testing and debugging.

Kazuo Furuya <kfuruya@infoteria.co.jp> - fixing root certificate chaining bug in PKCS12 key store.

Jason Novotny <jdnovotny@lbl.gov> - initial work on the openSSL PEM processing.

Joel Hockey <joel.hockey@ssl.com> - initial work on the openSSL PEM processing.

John Steenbruggen <johnS@ssl.com> - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.

Justin Chapweske <justin@chapweske.com> - ordering patch for Tiger message digest.

John Serock <jserock@bigfaceless.org> - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId.

Compliance of KeyUsage extension return value with security API.

Sascha Weinreuter <Sascha.Weinreuter@cit.de> - fixed SMIME saveChanges() bug.
Andre Wehnert <aw5@mail.inf.tu-dresden.de> - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.

Luigi Lo Iacono <lo_iacono@nue.et-inf.uni-siegen.de> - adding SIC mode to the blockciphers in the provider.

Tim Sakach <tsakach@certivo.net> - SMIME v2 compatibility patches.

Marcus Povey <mpovey@brookes.ac.uk> - adding the PGP mode to the lightweight API and the provider.

Sebastian Clausl&szlig; <sc2@inf.tu-dresden.de> - adding randomness setting to the certificate and CRL generators.

Nicolas Bielza <nicholas.bielza@alligacom.com> - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.

Casey Marshall <radio@#064;metastatic.org> - fixing the clone problem with Macs in the clean room JCE.

Rick Zeldes <rick.zeldes@eds.com> - initial code for CMS/SIMIME CompressedData.

Jarek Gawor <gawor@mcs.anl.gov> - fixing ASN.1 sequence unpacking in BasicConstraints constructor.

Brett Neumeier <random@#064;rnd.cx> - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of URLBase64.

Graham Coles <graham.coles@#064;retail-logic.com> - patch to isParityAdjusted in DESKeySpec.

Jouln von Kattchee<e J.Kattchee@#064;seeburger.de> - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.

Matteo Artuso <martusso@#064;libero.it> - picking up the possible overread in ASN1InputStream.

Julian Morrison <julian@#064;entropy.demon.co.uk> - spotting the slow down in Diffie-Hellman key generation.

Elmar Sonnenschein <esse@#064;esomail.de> - fix to long conversion in clean room SecureRandom.

Jouln von Schwarze <JSwarze@#064;ulf.de> - Locale fix for the clean room JCE.

Bryan Lovquist <bkl@#064;cps.com.au> - Other provider compatibility fixes for CMS signing.

Artem Portnoy <Artem_Portnoy@#064;ibi.com> - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.

Michael H&auml;usler <haeusler@ponton-consulting.de> - missing OID update for SHA1 with RSA Signature.

Johann Seland <johans@#064;netfonds.no> - general toString for BigInteger class.

Johannes Nicolai <johannes.nicolai@#064;novosec.com> - further enhancements to OCSP response generation, fix to CertificateID issuer.

Marc Doberva <marc.doberva@#064;ilex-si.com> - help in isolating the JSSE/BC RSA key issue.

Jan Dvorak <jan.dvorak@#064;mathan.cz> - initial implementation of the light weight Null block cipher.

Joe Cohen <jcohen@#064;forumsys.com> - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.

Chris Long <aclong@ece.cmu.edu> - adding public key decoding to PEMReader.

Hes Siemelink <hes@#064;ezecom.com> - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.

Stefan Puiu <stefanpuiuro@#064;yahoo.com> - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.

Kaiser Yang <kaiseryang@#064;yahoo.com> - Finding BigInteger loop problem in prime generation.

Jiří Urbanec <jiri.urbanec@#064;logicacmg.com> - patch to fix defect in DERBMPString.equals().

Justin Kolb <jkolb@#064;pristx.com> - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.

Ralf Hauser <ralfhauser@#064;gmx.ch> - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build
script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator.</li>
<li>Michal Dvorak <m_Dvorak@kb.cz> - getNextUpdate patch for OCSP SingleResp.</li>
<li>Klaus Greve Fiorentini <Klaus@64cpqcd.com.br> - array fix in PGP PublicEncSessionPacket.</li>
<li>Olivier Refalo <Olivier_Refalo@64fpl.com> - null pointer exception fix for JDK 1.3 CMSSignedData objects.</li>
<li>Mariusz Bandola <mariusz.bandola@64cryptotech.com.pl> - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.</li>
<li>Brien Oberstein <brien.oberstein@64transacttools.net> - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIEPMD160 addition to PGPUtl.</li>
<li>Ian Haywood <ian@64haywood.hpa.nu> - addition of getSignatureType to PGPSignature.</li>
<li>Jonathan Edwards <s34gull@mac.com> - initial support for reading multiple rings from a PGP key file.</li>
<li>Andrew Thornton <andrew@64caren.cam.ac.uk> - patch for RSA PUBLIC KEY in PEMReader.</li>
<li>Gregor Leander <gl@64bos-bremen.de> - initial parsing of multiple sequence entries in an X.500 Name.</li>
<li>Antoon Bosselaers <Antoon.Bosselaers@64esat.kuleuven.ac.be> - help with RipeMD320 implementation.</li>
<li>Peter Sylvester <Peter.Sylvester@64edel1web.fr> - improvements to the ASN.1 BasicConstraints object.</li>
<li>Doug <ummmmm@64myrealbox.com> - addition of isEncryptionKey method to OpenPGP public keys.</li>
<li>Francois Staes <fstaes@64netconsult.be> - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed content info to CMSSignedDataGenerator, patch to DH key agreement.</li>
<li>W.R. Dittmer <wdittmer@64cs.vu.nl> - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullPointer exception.</li>
<li>Perez Paz Luis Alberto <laperez@64banxico.org.mx> - patch to use of BitString in X.500 name.</li>
<li>James Wright <James_Wright@64harte-hanks.com> - patches for dealing with "odd" ArmoredInputStreams.</li>
<li>Jim Ford <jim@64muirford.com> - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
<li>Michael Hausler <haeusler@64ponton-consulting.de> - extra aliases for provider.</li>
<li>Sai Pullabhotla <psai@64linoma.com> - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>
<li>Joseph Miller <joseph@64edinweb.net.nz> - addition of ZeroBytePadding.</li>
<li>Harryam <xyz@64sagemdenmark.dk> - patch to explicit padded mode for CBC block cipher MAC.</li>
<li>Jeroen van Vianen <jeroen@64vanvianen.nl> - the Signed and Encrypted mail example.</li>
<li>Jun Sun <JSun@64diversinet.com> - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.</li>
<li>Petr Dukem <pdukem@64email.cz> - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.</li>
<li>Filipe Silva <filipe.silva@64wedoconsulting.com> - patch to fix overread issue in BCPGInputStream.</li>
<li>Alpesh Parmar <alps@64linuxmail.org> - patch for class cast problem in PGPPublicKey.getSignatures().</li>
<li>Jay Gengelbach <jengelbach@64webmethods.com> - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP SignatureGenerator, initial cut for indefinite length output.</li>
<li>Doug <doug@64tigerprivacy.com> - public key ring patches for ElGamal Signatures, problem key ring data.</li>
<li>Matthew Mundy <mmundy1@64umbc.edu> - infinite loop prevention patch to PKCS5S2ParametersGenerator.</li>
<li>Tom Cargill <cargill@64profcon.com> - spelling patch in provider.
<li>Breitenstrom Christian <C.Breitenstrom@t-systems.com> - compatibility patch to SignaturePacket, DetachedSignatureProcessor.</li>
<li>Zanotti Mirko <zanotti@cad.it> - patch to ordered equality test for X509Name.</li>
<li>Nicola Scendoni <nscendoni@n4babelps.it> - patch to add sorting to CertPath validation.</li>
<li>Ville Skyttä &amp;uml; <ville.skytta@iki.fi> - patch to CRLDistPoint for cRLissuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.</li>
<li>Bruce Gordon <bruce.gordon@savvis.net> - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.</li>
<li>Miles Whiteley <Miles.Whiteley@savvis.net> - "223" fix for BCPGInputStream new packets.</li>
<li>Albert Moliner <amoliner@064evintia.com> - initial TSP implementation.</li>
<li>Carlos Lozano <carlos@064evintia.com> - initial TSP implementation, patch to signerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>
<li>Javier Delgado <jav@064java.codewarp.org> - initial Mozilla PublicKeyAndChallenge classes.</li>
<li>Joni Hahkala <joni.hahkala@064cern.ch> - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project</a> for making the work available.</li>
<li>Rolf Schillinger <rolf@064sisr-wum.de> - initial implementation of Attribute Certificate generation.</li>
<li>Sergey Bahtin <Sergey_Bahtin@yahoo.com> - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OBF mode (GOBF) and GOST-3411.</li>
<li>Franck Leroy <Franck.Leroy@keynectis.com> - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
<li>Atsuhiko Yamana <ymnk@064jcraft.com> - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
<li>Nickolay Bolshakov <tyrex@064rekssoft.ru> - patch for class cast exception in AuthorityInformationAccess class.</li>
<li>Soren Hilmer <soren.hilmer@064tietoenator.com> - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
<li>Steve Mitchell <mitchell@064intertrust.com> - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP. Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
<li>Dirk Eisner <D.Eisner@seeburger.de> - initial implementation of ISO 7816-4 padding.</li>
<li>Julien Pasquier <julienpasquier@064free.fr> - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKey/Attribute parsing, InitialContentHints class.</li>
<li>Matteo <matartuso@064libero.it> - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson <andrew.paterson@064burnssecs.com> - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov <vladimir.n.molotkov@064intel.com> - extensive provider exception handling compliance testing.</li>
<li>Florin Kollan <adlocflo@064web.de> - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassiliev <paulvas@064gmail.com> - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman <tom@064nux.net> - addition of DES-EDC encryption for RSAPrivate keys to PEMWriter.</li>
<li>Lukasz Kowalczyk <lukasz.b.kowalczyk@064gmail.com> - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch <Arndt.Hasch@064maxence.de> - additional fix for partial reading with new style PGP.
Fix Bernd (KCDP 11) <bernd.fix@064credit-suisse.com> - fix for 31 byte issue and exception throwing by Whirlpool.

David M. Lee <dmlee@064Crossroads.com> - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.

Mike Dillon <md5@064embody.org> - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.

tu-vi cung <t2cung@064hotmail.com> - patch for out of bounds problem in getDecoderStream method.

Chris Schultz <cschultz@064gmail.com> - fix for InputStream constructor for X509V2AttributeCertificate.

David M. Lee <dmlee@064Crossroads.com> - implementation assistance with streaming CMS classes.

Joel Rees <rees@064ddcom.co.jp> - fix to correct getOID methods from returning same set on X.509 attribute certificates.

Francesc Sau <francesc.sau@064partners.netfocus.es> - micro fix for tsp Accuracy class.

Larry Bugbee <bugbee@064mac.com> - initial ECNR implementation.

Remi Blancher <Remi.Blancher@064keynectis.com> - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.

Brian O'Rourke <brianorourke@064gmail.com> - patch for signature creation time override in OpenPGP.

Andreas Schwier <andreas.schwier@064cardcontact.de> - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-ED 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.

David Josse <david.josse@transacttools.net> - Patch for trailer function in version 2 signature packets.

Kishimoto Kazuhiko <kazu-k@064hi-ho.ne.jp> - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.

Lawrence Tan <lwrnctan@064gmail.com> - Large field OID sample test data. Missing key types in JDKKeyFactory.

Carlos Valiente <superdupont@064gmail.com> - Addition of CRL writing to the PEMWriter class.

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.

Olaf Keller, <olaf.keller.bc@064bluewin.ch> - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

J&ouml;rg Eichhorn <eichhorn@0644ponton-consulting.de> - patch to fix EOF read on SharedFileInputStream, support for F2m compression.

Karsten Ohme <widerstand@064t-online.de> - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings.

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. Validation for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz <carlos@064tradise.com> - patch for <ctrl><m> 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>
<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>Lijun Liao &lt;lijun.liao&#064rub.de&gt; - performance enhancements for SHA family of digests. Bug report and patch for blank line handling in ArmoredInputStream.</li>
<li>Maria Ivanova &lt;maria.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
<li>Armin H&auml;berling &lt;arminha&#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 Vourch &lt;xavier&#064brittanysoftware.com&gt; - general code clean ups.</li>
<li>Erik Tews &lt;e_tews&#064064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.</li>
<li>Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
<li>Frank Cornelis &lt;info&#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li>
<li>Rui Joaquim &lt;rjoaquim&#064064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
<li>David Stacey &lt;DStacey&#064064allantgroup.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;juliusdavies&#064gmail.com&gt; - additional modes and algorithm support in PEMReader.</li>
<li>Matthias &lt;g&#064064frtnter.de&gt; - GnuPG compatibility changes for PBFileProcessor.</li>
<li>Olga K&auml;uhlther &lt;olga.kaethler&#064064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
<li>Germano Rizzo &lt;germano.rizzo&#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
<li>N&uuml;ria Mar&iacute; &lt;numaa&#064064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
<li>Janis Schuller &lt;js&#064064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;mike&#064064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mstjohns&#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA.</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&#064064nrb.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gff&#064064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>
<li>Julien Pasquier &lt;juilienpasquier&#064064free.fr&gt; - additional classes for supporting signature policy and signer
certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp <pknopp@604ntg.de> - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozd <gwozdziu@604rpg.pl> - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malikowski <bmalkow@604ugase.org> - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>
<li>Tal Yacobi <tal.yacobi@604octavian-tech.com> - fix for issue in OpenPGP examples [#BJA-55].</li>
<li>Massimiliano Ziccardi <massimiliano.ziccardi@604gmail.com> - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>
<li>Andrey Pavlenko <andrey.a.pavlenko@604gmail.com> - security manager patch for PKCS1Encoding property check.</li>
<li>Mike StJohns <mstilejohns@604comcast.net> - updates to KeyPurposeId.</li>
<li>J Ross Nicoll <jrn@604jrn.me.uk> - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson <mavricknz@604yahoo.com> - patch to construtor for CRMF CertSequence.</li>
<li>Gabriele Contini <gcontini@604hotpop.com> - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>
<li>Roelof Naude <roelof.naude@604epiuse.com> - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Peck <peck@604signaturen.at> - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay <lemaymd@604lemaymd.com> - identified problem with EAX [#BJA-93].</li>
<li>Alex Dupre <ale@604FreeBSD.org> - fix to use of Signature rather than SignatureSpi in provider [#BJA-90].</li>
<li>Michael Schoene <michael@604sigrid-und-michael.de> - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
<li>Bob Kerns <bob.kerns@positscience.com> fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer <stefan.meyer@604ewe.de> backport for PKIXCertPathValidator and SMIMEEmailVerifier.</li>
<li>Robert J. Moore <Robert.J.Moore@allanbank.com> speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai <rui@604po.ntts.co.jp> speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic <emir.bucalovic@604com.com> initial implementation of Grain-v1 and Grain-128.</li>
<li>Torbjorn Svensson <tobbe79@604gmail.com> initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick <bouncycastle_pfitz@604fitzpatrick.cc> error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson <k.henrik.andersson@604gmail.com> addition of UniqueIssuerID to certificate generation.</li>
<li>Cagdas Cirit <cagdascirit@604gmail.com> subjectAlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri <harakiri_23@604yahoo.com> datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques <pmahenriques@604gmail.com> explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimmeringer <job@604kimmeringer.de> verbose mode for ASN1Dump, support for DERExternal.</li>
<li>Richard Farr <rfarr.se@604gmail.com> initial SRP-6a implementation.</li>
<li>Thomas Castiglione <castiglione@604au.ibm.com> patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani <eromani@604sogei.it> patch for recognising multiple counter signatures.
Robin Lundgren <r737lundgren&#064gmail.com> CMPCertificate constructor from X509CertificateStructure fix.</li><li>Petr Kadlec <mormegil&#064centrum.cz> fix to sign extension key and IV problem in HC-128, HC-256.</li><li>Andreas Antener <antener_a&#06404gmx.ch> fix to buffer reset in AsymmetricBufferedBlockCipher.</li><li>Harendra Rawat <hsrawat&#064yahoo.com> fix for BERConstructedOctetString.</li><li>Rolf Lindemann <lindeumann&#064064trustcenter.de> patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li><li>Alex Artamonov <alexart.home&#064gmail.com> name look up patch for GOST-2001 parameters.</li><li>Mike Lyons <mlyons&#064layer7tech.com> work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li><li>Chris Cole <chris_h_cole&#064064yahoo.com> identified a problem handling null passwords when loading a BKS keystore.</li><li>Tomás Krivanek <tom&#064064atack.cz> added checking of Sender header to SignedMailValidator.</li><li>Michael <emfau@064t-online.de> correction of field error in getResponse method in CertRepMessage.</li><li>Trevor Perrin <trevor@064cryptography.com> addition of constant time equals to avoid possible timing attacks.</li><li>Markus Kilång <markus@064primekey.se> several enhancements to TimeStampResponseGenerator.</li><li>Dario Novakovic <darionis@064yahoo.com> fix for NPE when checking revocation reason on CRL without extensions.</li><li>Michael Smith <msmith@064cbnco.com> bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li><li>Andrea Zilio <andrea.zilio@064gmail.com> fix for PEM password encryption of private keys.</li><li>Alonzo Massa <alfonso.massa@064insiel.it> contributions to CMS time stamp classes.</li><li>Giacomo Boccardo <gboccardo@064unimaticaspa.it> initial work on CMSTimeStampedDataParser.</li><li>Arnis Tartu <arnis@064ut.ee> patches for dealing with OIDs with specific key sizes associated in CMS.</li><li>Janusz Sikociski <J.Sikocinski@064gdiez.pl> addition of Features subpacket support to OpenPGP API.</li><li>Juri Hudolejev <jhudolejev@064gmail.com> JavaDoc fix to CMSSignedDataParser.</li><li>Liane Velten <liane.velten@064hip-consulting.com> fine tuning of code for DHParameters validation.</li><li>Shawn Willden <swillden@064google.com> additional functionality to PGPKKeyRing.</li><li>Atanas Krachev <akrachev@064gmail.com> added support for revocation signatures in OpenPGP.</li><li>Mike Laiouing <mickael.laiking@064keynectis.com> initial cut of EAC classes.</li><li>Tim Buktu <tbuktu@064hotmail.com> Initial implementation of NTRU signing and encryption.</li><li>Bernd <bernd@064gmail.com> Fix for open of PGP literal data stream with UTF-8 naming.</li><li>Steing Inge Morisbak <stein.inge.morisbak@064BEKK.no> Test code for lower case Hex data in PEM headers.</li><li>Andreas Schmid <andreas.schmid@064tngtech.com> Additional expiry time check in PGPPublicKeys.
Phil Steitz <phil.steitz&#064gmail.com> Final patch eliminating JCE dependencies in the OpenPGP BC classes.


Petar Petrov <spetrov&#064hers-soft.com> Testing and debugging of UTF-8 OpenPGP passwords.

Daniel Fitzpatrick <daniel.f.nwrv&#064gmail.com> Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.

Andy Neilson <Andy.Neilson&#064quest.com> A further patches to deal with multiple providers and PEMReader.

Ted Shaw <xiao.xj&#064gmail.com> Patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.

Eleriseth <Eleriseth&#064WPECGLtYbVi8RI6Y7Vzl2Lvd2EUVW99v3yNV3IWROG8.fms> Speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.

Kenny Root <kenny&#064the-b.org> Patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AED.

Maarten Bodewes <maarten.bodewes&#064gmail.com> Initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.

Philip Clay <phil_f&#064yahoo.com> Initial implementation of J-PAKE.

Brian Carlstrom <bdc&#064604carlstrom.com> Compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.

Samuel Lid&ecutet:n Borell <samuel&#064604primekey.se> Patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.

Sergio Demian Lerner <sergiolerner&#064certimix.com> Pointing out isInfinity issue in ECDSASigner signature verification.

Tim Whittington <Tim.Whittington&#064604orionhealth.com> Patch to remove extra init call in CMac, additional of Memorable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Sckin, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Nokeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSD/Crypt, PGP API documentation and code quality work.

Marcus Lundblad <marcus.lundblad&#064primekey.se> Patch for working arnround JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin <zhozhin&#064604xrm.ru> Patch for override of TSP SignerInfo attributes.

Sergey Tiunov <t5555d&#064gmail.com> Initial cut of DVCS classes.

Damian Kolas <fatfreddy&#064gmail.com> ASN1Sequence patch for class cast issue in X9Curve.

Ash Hughes <ashley.hughes&#064604blueyonder.co.uk> Patches for supporting PGPPrivateKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher <dev&#064604daniel-hirscher.de> Patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci <daniele.athome&#064gmail.com> Initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio <matti.aarnio&#064methics.fi> Tweaks to any build to remove dependence on shell scripts. Initial
SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes. <li>
Babak Najafi <bnajafi@#064akamai.com> fixes to OpenPGP NotationData to prevent truncation problems. <li>
Eric M&uuml;ller <eric.mueller@#064sage.de> additional standard algorithm name lookups in JcaPEMKeyConverter. <li>
Mathias Herberts <Mathias.Herberts@#064gmail.com> fix to inOff usage in RFC3394WrapEngine. <li>
Daniil Ivanov <daniil.ivanov@#064gmail.com> addition of provider support for GOST HMAC SecretKeyFactory. <li>
Daniele Grasso <daniele.grasso86@#064gmail.com> contributions to final Key calculation code for SRP6. <li>
Andrey Utkin <cindhr&@#064gmail.com> patch to reconstruction of EC-GOST keys from PrivateKeyInfo objects in provider classes. <li>
Arnis Tartu <arnis&@#064ut.ee> checker for generated key vs OID in JceCMSContentEncryptorBuilder. <li>
AxelVDB <axel-vdb@riseup.net> initial implementation of Shacal2. <li>
Roberto Tyley < further work on completing gradle build. <li>
Waldemar Dick <wdick@#064devmue.de> code improvement in x500 ASN.1 package. <li>
Sid Steward <sid.steward@#064pdflabs.com> code improvements to ASN1Boolean. <li>
Alex Klyubin <klyubin@#064google.com> AlgorithmParameters check for EC key agreement. <li>
Jonathan Gillett <gsoe.student@#064gmail.com> Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix. <li>
Andreas Reiter <andreas.reiter@#064iaik.tugraz.at> Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix. <li>
Kieran Miller <kieran.miller@#064gmail.com> initial implementation for RFC 5649 key wrap with padding. <li>
Oliver Ehli <ehli@#064arago.de> Additional support for BSI plain ECDSA in the provider. <li>
Daniel Heldt <Daniel.Heldt@#064cryptovision.com> Initial support for encodable state message digests <li>
Robert Bushman <bouncycastle@#064traxel.com> Clean up of DirectKeySignature example. <li>
Maurice Aarts <aarnts@#064riscure.com> updated to KDF generator to follow NIST SP 800-108. <li>
Franziskus Kiefer <https://github.com/franziskuskiefer> initial implementation of Cramer-Shoup. <li>
KB Sriram <mail_kb@#064yahoo.com> testing for odd encodings for PGP User Attribute Subpackets. <li>
Marco Schulze <marco@#064nightlabs.de> Reported verification bug in GenericSigner. <li>
Martin Schaefer <https://github.com/martinschaefer> contributed a code-cleanup patch. <li>
Lijun Liao <&jun.liao@#064gmail.comgt> addition of getSignatureAlgorithmID to BasicOCSPResp. <li>
dstutz <https://github.com/dstutz> added iteration count setters to PKCS#12 PBE mac/key generator builders. <li>
Tobias Wich <tobias.wich@#064ecsec.de> Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly. <li>
Hauke Mehrtens <hauke@#064hauke-m.de> TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251. <li>
Daniel Zimmerman <dmz@#064galois.com> Further key quality improvements to RSAKeyPairGenerator. <li>
Jens Kapitza &lt;j.l.kapitza@#064schwarze-allianz.de> Iterable support in OpenPGP API, code cleanup in OpenPGP API. <li>
Johan Eklund <johan@#064primekey.se> update to RFC 6960 for OCSPObjectIdentifiers. <li>
nikosn <https://github.com/nikosn> Fix to encoding of EC private keys to ensure encoding matches order length. <li>
Axel von dem Bruch <axel-vdb@#064riseup.net> Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest. <li>
Derek Atkins <derek@#064ihtfp.com> Documentation fixes to X9ObjectIdentifiers. <li>
Peter Jr Halicky <peto@#064halicky.sk> Correction to notification/error message handling in SignedMailValidator.
<li>lartiguePierre <a>https://github.com/lartiguePierre</a> Fix for counter signature SID in CMSSignedData.</li>

<li>Thomas Belot <a>thomas.belot+BC@gmail.com</a> Initial CertPathLoopTest for demonstrating stack overflow issue.</li>

<li>Rich DiCroce <a>https://github.com/rdicroce</a> Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>

<li>Bjørn Kautler <a>https://github.com/Vampire</a> Refinements to cert path validation (authority key addition, certificate order preservation).</li>

<li>Dominik Schummer <a>https://github.com/dschuermann</a> 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 <a>MSKnete@#064web.de</a> initial fix for bitStrength issue for OpenPGP EC keys.</li>

<li>Tobias Wagner <a>tobias.wagner@#064n-design.de</a> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>

<li>Sergio Giro <a>sgiro@#064google.com</a> Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBKEys that require it.</li>

<li>bschuette <a>https://github.com/bschuette</a> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSignedDataParser.</li>

<li>Leonard Dallot <a>https://github.com/dallotTazTag</a> Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>

<li>Jan Willem Janssen <a>j.w.janssen@bouncycastle@#064xtreme.nl</a> Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial content signer verifier for BC lightweight EC.</li>

<li>Sebastian Oerding <a>sebastian.oerding@robotron.de</a> Fixes to toString() in x509.CertificatePolicies.</li>

<li>Kai Kramer <a>kai.kramer@#064gmail.com</a> Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>

<li>Benoit Charles <a>benoit.charles@#064opentrust.com</a> Fix for IES data length check on decryption.</li>

<li>Niko <a>nfink95@#064gmail.com</a> fix to cast issue in getOutputSize() for ECIES.</li>

<li>akwizgran <a>https://github.com/akwizgran</a> Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for variant keys.</li>

<li>Matthias Edelhoff <a>Matthias.Edelhoff@#064cryptovision.com</a> BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>

<li>Lukasz Deputat <a>lukasz.deputat@#064gmail.com</a> Fixed bugs in TlsUtils read methods [#BJA-592].</li>

<li>Justin Ludwig <a>https://github.com/justinludwig</a> Iterator fix for PGPObjFactory to handle stream packets at start of iterated data.</li>

<li>Andrï©eacute;eacute;ute; Berenguel <a>https://github.com/aberenguel</a> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>

<li>Slawomir Jarancowiski <a>https://github.com/slawekjarancowiski</a> Patch to make cipher/hash/signature name methods in PGP internal API public.</li>

<li>Andrey Vasilyev <a>https://github.com/andrey-vasilyev</a> Initial implementation of GOST R 34.11-2012.</li>

<li>William Glanton <a>wglanton77@#064gmail.com</a> Fixed bug in Poly1305 [#BJA-620].</li>

<li>jdvorak001 <a>https://github.com/jdvorak001</a> Speed improvements for ASN.1 ObjectIdentifier cache.</li>

<li>Joseph Naegele <a>jnaegele@grierforensics.com</a> Patch for handling multiple certificates in a DANE SMIMEA entry.</li>

<li>Andrew Bonventre <a>https://github.com/andybons</a> NullPointer patch for WNafUtil.</li>

<li>The Google Security Team (Project Wycheproof) <a>https://github.com/google/wycheproof</a> defect analysis and additional test cases for the provider.</li>

<li>The Intel Security Team <> analysis detecting the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESSe</li>
1.1051 d-bus 1.10.24-13.el7_6

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1.1052 x-time-rate v0.0.0-20161028155119-f51c12702a4d

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