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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.

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

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an
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## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is very liberal.

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## GnuTLS

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## c-ares

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## zlib

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

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## libidn

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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

### 1.8 open-ssl 0.9.8

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1.9 libuser 0.60

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1.13 libcap 2.22

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```
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```

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```
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## 1.14 diffutils 3.3

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    Bell Labs Innovations for Lucent Technologies
    mmclennan@lucent.com
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1.28 xinetd 2.3.3

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1.29 wget 1.15

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1.31 icu 53

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

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

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

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,
## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic
## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao
## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed '\''s/\($*\)\.o[ :]*/\1.o $@ : /g'\'' > $@; \
[ -s $@ ] || rm -f $@'
## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@
## Bind internal references
# LDflags that pkgdata will use

Open Source Used In DavisPlus - MDS (version 8.4(2)) 8.4.2362


BIR_LDFLAGS= -Wl,-Bsymbolic

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

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

## End BSD-specific setup

1.32 sqlite 3.8.6.0

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1.33 nginx 1.7.10

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1.34 ipsec-tools 0.8

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@page
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@example
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@end enumerate

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@item
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@end subheading

@subheading END OF TERMS AND CONDITIONS

@page
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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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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
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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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That's all there is to it!
This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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

image::$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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

- trivial database library - private includes
-  
-  Copyright (C) Andrew Tridgell               2005
+  Copyright (C) Andrew Tridgell               1999-2005
+  Copyright (C) Jeremy Allison               2000-2006
+  Copyright (C) Paul 'Rusty' Russell         2000

 ** NOTE! The following LGPL license applies to the tdb
 ** library. This does NOT imply that all of Samba is released
This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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This is the Debian GNU/Linux prepackaged version of the 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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1.45 netbsd-resolv 2.20
1.45.1 Available under license:
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End
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AUTHOR:  Michael J. McLennan

Bell Labs Innovations for Lucent Technologies
mmclennan@lucent.com
http://www.tcltk.com/tcl

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1.49 vim 7.4.481

1.49.1 Available under license:

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

if version < 600
" Remove any old syntax stuff hanging around
syn clear
elseif exists("b:current_syntax")
finish
endif

" Product specification files are case sensitive
syn case match

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

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

syn match psfObjTag    "\([-_+A-Z0-9a-z]\)+\([-_+A-Z0-9a-z]\)+" contained
syn match psfAttAbbrev  "\([-_+A-Z0-9a-z]\)+\(|[aclqrv]|[^\(|\)]\)+" contained
syn match psfObjTags    "\([-_+A-Z0-9a-z]\)+\([-_+A-Z0-9a-z]\)+\([-_+A-Z0-9a-z]\)+\([-_+A-Z0-9a-" contained

syn match psfNumber     "\<\d\+\>+" contained
syn match psfFloat      "\<\d\+\>+\(\<\d\+\>+\)+" contained

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

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

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

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

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

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

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

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

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

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

syn match  psfComment ":.*$"
" Define the default highlighting.
" For version 5.7 and earlier: only when not done already
" For version 5.8 and later: only when an item doesn't have highlighting yet
if version >= 508 || !exists("did_psf_syntax_inits")
if version < 508
   let did_psf_syntax_inits = 1
   command -nargs=+ HiLink hi link <args>
else
   command -nargs=+ HiLink hi def link <args>
endif

let b:current_syntax = "psf"
/*
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                 (XPM - X PixMap format version 2 & 3)
                 Internet: lehors@sophia.inria.fr
Surface Mail:    Arnaud LE HORS, INRIA - Sophia Antipolis,
                 2004, route des Lucioles, 06565 Valonne Cedex -- FRANCE
Voice phone:     (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F
*uganda.txt*    For Vim version 7.4. Last change: 2013 Jul 06

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

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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).

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

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
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sections when you distribute them as separate works. But when you
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on the Library, the distribution of the whole must be on the terms of
this License, whose permissions for other licensees extend to the
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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

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

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

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

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

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

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

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

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

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

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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.

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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

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application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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The End
#!/perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

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

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

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

=cut

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

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

my ($opt) = @ARGV;
my $readme_year = readme_year();
my $v_year = v_year();

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

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

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = "";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\d{4,}/s
        or die "Year not found in README copyright message '$copyright_msg'";
    $year;
}

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

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---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>,'
- "Development questions, bug reports, and patches should be sent to the\n\nModule-Build mailing list at <module-build@perl.org>.,"
buildRequires:
File::Temp: 0.15
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2006-Jan-27

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  Discusses bugs, as well as engine internals, design issues, specific licenses, porting, etc.

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Credits

Keith Packard wrote the pcf driver found in XFree86. His work is at the same time the specification and the sample implementation of the PCF format. Undoubtedly, this driver is inspired from his work.

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1.63 busybox 1.22.1

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    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show 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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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\n  Module-Build mailing list at <module-build@perl.org>.,"
build_requires:
  File::Temp: 0.15  
  Test::Harness: 3.16  
  Test::More: 0.49  
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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<one line to give the program's name and a brief idea of what it does.>
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The End

#!perl

=head1 NAME

copyright.t

=head1 DESCRIPTION

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

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

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

=cut

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) = $copyright_msg =~ /.*\b(\d{4,})/s
  or die "Year not found in README copyright message \'$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;
}

1.67 shadow 4.2.1

1.67.1 Available under license :

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1.68 openssh 6.6p1

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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.

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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will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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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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That's all there is to it!

/* assuan-buffer.c - read and send data

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1.71 ntp 4.2.6p2

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are acknowledged as authors of this work.
1. [1]Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
2. [2]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
4. [5]Michael Barone <michael.barone@lmco.com> GPSVME fixes
5. [6]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
6. [7]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT
port. Clean up recvbuf and iosignal code into separate modules.
7. [8]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
8. [9]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver,
   Trimble PARSE support
9. [10]Nelson B Bolyard <nelson@bolyard.me> update and complete
   broadcast and crypto features in sntp
    <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
11. [12]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
12. [13]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
13. [14]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and
    help with target configuration
14. [15]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference
    clock driver, NT adj. residuals, integrated Greg’s Winnt port.
15. [16]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
16. [17]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
17. [18]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for
    NTP Version 2 as specified in RFC-1119
18. [19]John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
19. [20]Dave Hart <davehart@davehart.com> General maintenance, Windows
    port interpolation rewrite
20. [21]Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
21. [22]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
22. [23]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
23. [24]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
24. [25]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping
    overhaul
25. [26]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or
    [27]<H.Lambermont@chello.nl> ntpswpe
26. [28]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original
    author)
27. [29]Frank Kardel [30]<kardel (at) ntp (dot) org> PARSE <GENERIC>
    driver (>14 reference clocks), STREAMS modules for PARSE, support
    scripts, syslog cleanup, dynamic interface handling
28. [31]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX
    modifications, HPUX modifications
29. [32]Dave Katz <dktatz@cisco.com> RS/6000 AIX port
30. [33]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox
    GPS clock driver
31. [34]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
32. [35]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
33. [36]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation
    code for Version 3 as specified in RFC-1305
34. [37]Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code
    Maintenance
35. [38]David L. Mills <mills@udel.edu> Version 4 foundation: clock
    discipline, authentication, precision kernel; clock drivers:
Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG

36. [39]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
37. [40]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
38. [41]Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
39. [42]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
40. [43]Derek Mulcahy <derek@toybox.demon.co.uk> and [44] Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
41. [45]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
42. [46]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
43. [47]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
44. [48]Wilfredo Sánchez <wsanchez@apple.com> added support for NetInfo
45. [49]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
46. [50]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
47. [51]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
48. [52]Michael Shields <shields@tembel.org> USNO clock driver
49. [53]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
50. [54]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
51. [55]Kenneth Stone <ken@sdd.hp.com> HP-UX port
52. [56]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
53. [57]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
54. [58]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
55. [59]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

References

1. mailto:%20mark_andrews@isc.org
2. mailto:%20altmeier@atlsoft.de
3. mailto:%20vbais@mailman1.intel.co
4. mailto:%20kirkwood@striderfm.intel.com
5. mailto:%20michael.barone@lmco.com
6. mailto:%20karl@owl.HQ.ileaf.com
7. mailto:%20greg.brackley@bigfoot.com
8. mailto:%20Marc.Brett@westgeo.com
9. mailto:%20Piete.Brooks@cl.cam.ac.uk
10. mailto:%20nelson@bolyard.me
11. mailto:%20Jean-Francois.Boudreault@viagenie.qc.ca
1.72 autogen 4.2.6p2

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#define COMM_H

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#endif

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 * COMM_LEN should be the same size as TASK_COMM_LEN in the Linux source
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 */
#define COMM_LEN 16
#endif

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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
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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
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Section 6 states terms for distribution of such executables.

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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
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**1.91 e2fsprogs 1.42.9**

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Gadi Oxman, August 1995

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <ttyso@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>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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

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Theodore Ts'o
23-June-2007

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

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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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1.92 sudo 1.8.10

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

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

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Hunter, Michael T.
Irgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Juhani, Timo
KIKUCHI, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieuxma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Paquet, Eric
Paradis, Chantal
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
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SATO, Yuichi
Sánchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
Wagner, Klaus
Walsh, Dan
The following people have worked to translate sudo into other languages:

Blttermann, Mario
Bogusz, Jakub
Casagrande, Milo
Castro, Felipe
Chornoivan, Yuri
Diguez, Francisco
Ferreira, Rafael
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hein, Jochen
Jerovek, Damir
Karvonen, Jorma
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frédric
Margeviuus, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
Psa, Petr
Qun, Trn Ngc
Regueiro, Leandro
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Taniguchi, Yasuaki
Uranga, Mikel Olasagasti
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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

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

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

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

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

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

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(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 compile or
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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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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
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than the cost of performing this distribution.

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

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

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

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

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

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1.100 xerces-j 2.7.1

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{
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}

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TI DSP/Bridge Driver - Contributors File

The DSP/Bridge project wish to thank all of its contributors, current bridge
driver is the result of the work of all of them. If any name is accidentally
omitted, let us know by sending a mail to omar.ramirez@ti.com or
x095840@ti.com.

Please keep the following list in alphabetical order.

Suman Anna
Sripal Bagadia
Felipe Balbi
Ohad Ben-Cohen
Phil Carmody
Deepak Chitriki
Felipe Contreras
Hiroshi Doyu
Seth Forshee
Ivan Gomez Castellanos
Mark Grosen
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Axel Haslam
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Shivananda Hebbar
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Antonio Luna
Hari Nagalla
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Ameya Palande
Vijay Pasam
Gilbert Pitney
Omar Ramirez Luna
Ernesto Ramos
Chris Ring
Larry Schiefer
Rebecca Schultz Zavin
Bhavin Shah
Andy Shevchenko
Jeff Taylor
Roman Tereshonkov
Armando Uribe de Leon
Nischal Varide
Wenbiao Wang
Add nxos wrapper for GPL symbols - kmemleak_alloc, kmemleak_alloc_percpu; 
for use in NXOS kernel modules.

NOTE: This approach is extremely frowned upon by the kernel community and 
seen as an obvious attempt around module licensing. Accordingly, we need 
to shrink -- NOT increase -- the number of GPL symbols wrapped like 
this.

Signed-off-by: Jagpal Gill <jagpgill@cisco.com>
---

 xét mm/kmemleak.c | 19 +++++++++++++++++++
1 files changed, 19 insertions(+), 0 deletions(-)

diff --git a/mm/kmemleak.c b/mm/kmemleak.c
index 45eb621..5c6258d 100644
--- a/mm/kmemleak.c
+++ b/mm/kmemleak.c
@@ -895,6 +895,16 @@ void __ref kmemleak_alloc(const void *ptr, size_t size, int min_count,
 }
 EXPORT_SYMBOL_GPL(kmemleak_alloc);

+﻿#ifdef CONFIG_NXOS
+*/ NXOS wrapper for GPL symbols */
+void __ref nxos_kmemleak_alloc(const void *ptr, size_t size, int min_count,
+gfp_t gfp)
+{
+  kmemleak_alloc(ptr, size, min_count, gfp);
+}
+EXPORT_SYMBOL(nxos_kmemleak_alloc);
+>#endif
+
+/*
+ * kmemleak_alloc_percpu - register a newly allocated __percpu object
+ * @ptr: __percpu pointer to beginning of the object
+ */
+void __ref nxos_kmemleak_alloc_percpu(const void __percpu *ptr, size_t size)
+{
+  kmemleak_alloc_percpu(ptr, size);
+}
+EXPORT_SYMBOL(nxos_kmemleak_alloc_percpu);
+}
+endif
+
/**
 * kmemleak_free - unregister a previously registered object
 * @ptr:pointer to beginning of the object
--

1.7.8

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/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@c1.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
*
*/

Contributors to bttv:

Michael Chu <mmchu@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)

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

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

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for his work on the initial Linux DVB driver

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for their continuing work on the 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 patching the cable card decoder driver

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for his AFC kernel thread

Christoph Martin <martin@uni-mainz.de>
for his LIRC infrared handler

Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
Ronny Strutz <3des@elitedvb.de>
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for many bugfixes

Andrew de Quincey <adq_dvb@lidskialf.net>
for the tda1004x frontend driver, and various bugfixes

Peter Schildmann <peter.schildmann@web.de>
for the driver for the Technisat SkyStar2 PCI DVB card

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for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a line to the DVB mailing list)

1.102 zlib 1.2.8

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

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

*/
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1.106 bind 9.9.5

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

  Author: Julio Merino <jmmv@NetBSD.org>

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

    Author: Julio Merino <jmmv84@gmail.com>

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

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<!-- $Id: copyright.xsl,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="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">
    Permission to use, copy, modify, and/or distribute this software for any
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    LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE
    OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR
  </xsl:variable>
</xsl:stylesheet>
PERFORMANCE OF THIS SOFTWARE.
</xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
<xsl:call-template name="isc.copyright.format">
<xsl:with-param name="text">
<xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
<xsl:text>Copyright (C) </xsl:text>
<xsl:call-template name="copyright.years">
<xsl:with-param name="years" select="year"/>
</xsl:call-template>
<xsl:text> </xsl:text>
<xsl:value-of select="holder"/>
</xsl:for-each>
</xsl:with-param>
</xsl:call-template>
</xsl:variable>

</xsl:stylesheet>

<!--
- Local variables:
- mode: sgml
- End:
-->
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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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1.108 mdadm 3.3.1

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Version 2, June 1991

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1.109 binutils 2.24.51

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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 spare 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 (jbr). 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 (HPAA 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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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.

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

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

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

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

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

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

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

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

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

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

5. A program that contains no derivative of any portion of the
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linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
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If such an object file uses only numerical parameters, data
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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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1.112 e2fsprogs 1.27
1.112.1 Available under license:
This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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This is the Debian GNU/Linux prepackaged version of the Common Error
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This package was put together by Yann Dirson <dirson@debian.org>,
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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
-
- Copyright (C) Andrew Tridgell 2005
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repository from the development branch, please contact me
(tytso@mit.edu) before you ship. The release schedules for this
package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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

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

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

image::$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

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

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Open Source Used In DavisPlus - MDS (version 8.4(2)) 8.4.21707

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Open Source Used In DavisPlus - MDS (version 8.4(2))

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1.115 acl 2.2.52

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

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

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

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/* number.c: Implements arbitrary precision numbers. */
/*
 *
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#include <stdio.h>
#include <config.h>
#include <number.h>
#include <assert.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>    /* Prototypes needed for external utility routines. */
#define bc_rt_warn rt_warn
#define bc_rt_error rt_error
#define bc_out_of_memory out_of_memory

_PROTOTYPE(void rt_warn, (char *mesg ,...));
_PROTOTYPE(void rt_error, (char *mesg ,...));
_PROTOTYPE(void out_of_memory, (void));

/* Storage used for special numbers. */
bc_num _zero_;  
bc_num _one_;  
bc_num _two_;  

static bc_num _bc_Free_list = NULL;

/* new_num allocates a number and sets fields to known values. */

bc_num
bc_new_num (length, scale)
    int length, scale;
{
    bc_num temp;

    if (_bc_Free_list != NULL) {
        temp = _bc_Free_list;
        _bc_Free_list = temp->n_next;
    } else {
        temp = (bc_num) malloc (sizeof(bc_struct));
        if (temp == NULL) bc_out_of_memory ();
    }
    temp->n_sign = PLUS;
    temp->n_len = length;
temp->n_scale = scale;
temp->nRefs = 1;
temp->n_ptr = (char *) malloc (length+scale);
if (temp->n_ptr == NULL) bc_out_of_memory();
temp->n_value = temp->n_ptr;
memset (temp->n_ptr, 0, length+scale);
return temp;
}

/* "Frees" a bc_num NUM. Actually decreases reference count and only
frees the storage if reference count is zero. */

void
bc_free_num (num)
  bc_num *num;
{
  if (*num == NULL) return;
  (*num)->nRefs--;
  if ((*num)->nRefs == 0) {
    if ((*num)->nPtr)
      free ((*num)->nPtr);
    (*num)->nNext = _bc_Free_list;
    _bc_Free_list = *num;
  }
  *num = NULL;
}

/* Initialize the number package! */

void
bc_init_numbers ()
{
  _zero_ = bc_new_num (1,0);
  _one_  = bc_new_num (1,0);
  _one_->nValue[0] = 1;
  _two_  = bc_new_num (1,0);
  _two_->nValue[0] = 2;
}

/* Make a copy of a number! Just increments the reference count! */

bc_num
bc_copy_num (num)
  bc_num num;
{
  num->nRefs++;
}
/* Initialize a number NUM by making it a copy of zero. */

void
bc_init_num (num)
  bc_num *num;
{
  *num = bc_copy_num (_zero_);
}

/* For many things, we may have leading zeros in a number NUM.
   _bc_rm_leading_zeros just moves the data "value" pointer to the
   correct place and adjusts the length. */
static void
_bc_rm_leading_zeros (num)
  bc_num num;
{
  /* We can move n_value to point to the first non zero digit! */
  while (*num->n_value == 0 && num->n_len > 1) {
    num->n_value++;
    num->n_len--;
  }
}

/* Compare two bc numbers. Return value is 0 if equal, -1 if N1 is less
  than N2 and +1 if N1 is greater than N2. If USE_SIGN is false, just
  compare the magnitudes. */
static int
_bc_do_compare (n1, n2, use_sign, ignore_last)
  bc_num n1, n2;
  int use_sign;
  int ignore_last;
{
  char *n1ptr, *n2ptr;
  int count;

  /* First, compare signs. */
  if (use_sign && n1->n_sign != n2->n_sign) {
    if (n1->n_sign == PLUS)
      return (1); /* Positive N1 > Negative N2 */
    else
return (-1); /* Negative N1 < Positive N1 */
}

/* Now compare the magnitude. */
if (n1->n_len != n2->n_len)
{
    if (n1->n_len > n2->n_len)
    {
        /* Magnitude of n1 > n2. */
        if (!use_sign || n1->n_sign == PLUS)
            return (1);
        else
            return (-1);
    }
    else
    {
        /* Magnitude of n1 < n2. */
        if (!use_sign || n1->n_sign == PLUS)
            return (-1);
        else
            return (1);
    }
}

/* If we get here, they have the same number of integer digits.
   check the integer part and the equal length part of the fraction. */
count = n1->n_len + MIN (n1->n_scale, n2->n_scale);
n1ptr = n1->n_value;
n2ptr = n2->n_value;

while ((count > 0) && (*n1ptr == *n2ptr))
{
    n1ptr++;
    n2ptr++;
    count--;
}
if (ignore_last && count == 1 && n1->n_scale == n2->n_scale)
    return (0);
if (count != 0)
{
    if (*n1ptr > *n2ptr)
    {
        /* Magnitude of n1 > n2. */
        if (!use_sign || n1->n_sign == PLUS)
            return (1);
        else
            return (-1);
    }
}
else
{
/* Magnitude of n1 < n2. */
if (luse_sign || n1->n_sign == PLUS)
   return (-1);
else
   return (1);
}

/* They are equal up to the last part of the equal part of the fraction. */
if (n1->n_scale != n2->n_scale)
{
   if (n1->n_scale > n2->n_scale)
   {
      for (count = n1->n_scale-n2->n_scale; count>0; count--)
         if (*n1ptr++ != 0)
            {
            /* Magnitude of n1 > n2. */
            if (!use_sign || n1->n_sign == PLUS)
               return (1);
            else
               return (-1);
   }
   else
   {
      for (count = n2->n_scale-n1->n_scale; count>0; count--)
         if (*n2ptr++ != 0)
            {
            /* Magnitude of n1 < n2. */
            if (!use_sign || n1->n_sign == PLUS)
               return (-1);
            else
               return (1);
   }
   }
}
/* They must be equal! */
return (0);
}

/* This is the "user callable" routine to compare numbers N1 and N2. */

int
bc_compare (n1, n2)
bc_num n1, n2;
{
    return _bc_do_compare (n1, n2, TRUE, FALSE);
}

/* In some places we need to check if the number is negative. */

char
bc_is_neg (num)
    bc_num num;
{
    return num->n_sign == MINUS;
}

/* In some places we need to check if the number NUM is zero. */

char
bc_is_zero (num)
    bc_num num;
{
    int count;
    char *nptr;

    /* Quick check. */
    if (num == _zero_) return TRUE;

    /* Initialize */
    count = num->n_len + num->n_scale;
    nptr = num->n_value;

    /* The check */
    while ((count > 0) && (*nptr++ == 0)) count--;

    if (count != 0)
        return FALSE;
    else
        return TRUE;
}

/* In some places we need to check if the number NUM is almost zero.
Specifically, all but the last digit is 0 and the last digit is 1.
Last digit is defined by scale. */

char
bc_is_near_zero (num, scale)
    bc_num num;
{
    int scale;
int count;  
char *nptr;

/* Error checking */
if (scale > num->n_scale)  
scale = num->n_scale;

/* Initialize */
count = num->n_len + scale;  
nptr = num->n_value;

/* The check */
while ((count > 0) && (*nptr++ == 0)) count--;

if (count != 0 && (count != 1 || *--nptr != 1))  
return FALSE;
else  
return TRUE;
}

/* Perform addition: N1 is added to N2 and the value is returned. The signs of N1 and N2 are ignored. 
SCALE_MIN is to set the minimum scale of the result. */

static bc_num  
_bc_do_add (n1, n2, scale_min)  
bc_num n1, n2;  
int scale_min;  
{
  bc_num sum;  
  int sum_scale, sum_digits;  
  char *n1ptr, *n2ptr, *sumptr;  
  int carry, n1bytes, n2bytes;  
  int count;

/* Prepare sum. */
sum_scale = MAX (n1->n_scale, n2->n_scale);  
sum_digits = MAX (n1->n_len, n2->n_len) + 1;  
sum = bc_new_num (sum_digits, MAX(sum_scale, scale_min));

/* Zero extra digits made by scale_min. */
if (scale_min > sum_scale)  
{
  sumptr = (char *) (sum->n_value + sum_scale + sum_digits);
  for (count = scale_min - sum_scale; count > 0; count--)
    *sumptr++ = 0;
}
/* Start with the fraction part. Initialize the pointers. */
n1bytes = n1->n_scale;
n2bytes = n2->n_scale;
n1ptr = (char *) (n1->n_value + n1->n_len + n1bytes - 1);
n2ptr = (char *) (n2->n_value + n2->n_len + n2bytes - 1);
sumptr = (char *) (sum->n_value + sum_scale + sum_digits - 1);

/* Add the fraction part. First copy the longer fraction. */
if (n1bytes != n2bytes)
{
    if (n1bytes > n2bytes)
        while (n1bytes>n2bytes)
            { *sumptr-- = *n1ptr--; n1bytes--; }
    else
        while (n2bytes>n1bytes)
            { *sumptr-- = *n2ptr--; n2bytes--; }
}

/* Now add the remaining fraction part and equal size integer parts. */
n1bytes += n1->n_len;
n2bytes += n2->n_len;
carry = 0;
while ((n1bytes > 0) && (n2bytes > 0))
{
    *sumptr = *n1ptr-- + *n2ptr-- + carry;
    if (*sumptr > (BASE-1))
    {
        carry = 1;
        *sumptr -= BASE;
    }
    else
    { carry = 0;
        sumptr--; 
n1bytes--; 
n2bytes--; }
}

/* Now add carry the longer integer part. */
if (n1bytes == 0)
{ n1bytes = n2bytes; n1ptr = n2ptr; }
while (n1bytes-- > 0)
{
    *sumptr = *n1ptr--; carry;
    if (*sumptr > (BASE-1))
    {
        carry = 1;
        *sumptr -= BASE;
    }
else
carry = 0;
    sumptr--;
}

/* Set final carry. */
if (carry == 1)
    *sumptr += 1;

/* Adjust sum and return. */
_bc_rm_leading_zeros (sum);
return sum;
}

/* Perform subtraction: N2 is subtracted from N1 and the value is returned. The signs of N1 and N2 are ignored. Also, N1 is assumed to be larger than N2. SCALE_MIN is the minimum scale of the result. */

static bc_num
_bc_do_sub (n1, n2, scale_min)
    bc_num n1, n2;
    int scale_min;
{
    bc_num diff;
    int diff_scale, diff_len;
    int min_scale, min_len;
    char *n1ptr, *n2ptr, *diffptr;
    int borrow, count, val;

    /* Allocate temporary storage. */
    diff_len = MAX (n1->n_len, n2->n_len);
    diff_scale = MAX (n1->n_scale, n2->n_scale);
    min_len = MIN  (n1->n_len, n2->n_len);
    min_scale = MIN (n1->n_scale, n2->n_scale);
    diff = bc_new_num (diff_len, MAX(diff_scale, scale_min));

    /* Zero extra digits made by scale_min. */
    if (scale_min > diff_scale)
    {
        diffptr = (char *) (diff->n_value + diff_len + diff_scale);
        for (count = scale_min - diff_scale; count > 0; count--)
            *diffptr++ = 0;
    }

    /* Initialize the subtract. */
n1ptr = (char *) (n1->n_value + n1->n_len + n1->n_scale -1);
n2ptr = (char *) (n2->n_value + n2->n_len + n2->n_scale -1);
diffptr = (char *) (diff->n_value + diff_len + diff_scale -1);

/* Subtract the numbers. */
borrow = 0;

/* Take care of the longer scaled number. */
if (n1->n_scale != min_scale)
{
    /* n1 has the longer scale */
    for (count = n1->n_scale - min_scale; count > 0; count--)
    *
    diffptr-- = *n1ptr--;
}
else
{
    /* n2 has the longer scale */
    for (count = n2->n_scale - min_scale; count > 0; count--)
    {
        val = - *n2ptr-- - borrow;
        if (val < 0)
        {
            val += BASE;
            borrow = 1;
        }
        else
            borrow = 0;
        *
        diffptr-- = val;
    }
}

/* Now do the equal length scale and integer parts. */
for (count = 0; count < min_len + min_scale; count++)
{
    val = *n1ptr-- - *n2ptr-- - borrow;
    if (val < 0)
    {
        val += BASE;
        borrow = 1;
    }
    else
        borrow = 0;
    *
    diffptr-- = val;
}

/* If n1 has more digits then n2, we now do that subtract. */
if (diff_len != min_len)
for (count = diff_len - min_len; count > 0; count--)
{
    val = *n1ptr-- - borrow;
    if (val < 0)
    {
        val += BASE;
        borrow = 1;
    }
    else
        borrow = 0;
    *diffptr-- = val;
}

/* Clean up and return. */
_bc_rm_leading_zeros (diff);
return diff;
}

/* Here is the full subtract routine that takes care of negative numbers. 
  N2 is subtracted from N1 and the result placed in RESULT. SCALE_MIN 
  is the minimum scale for the result. */

void 
bc_sub (n1, n2, result, scale_min)
    bc_num n1, n2, *result;
    int scale_min;
{
    bc_num diff = NULL;
    int cmp_res;
    int res_scale;

    if (n1->n_sign != n2->n_sign)
    {
        diff = _bc_do_add (n1, n2, scale_min);
        diff->n_sign = n1->n_sign;
    }
    else
    {
        /* subtraction must be done. */
        /* Compare magnitudes. */
        cmp_res = _bc_do_compare (n1, n2, FALSE, FALSE);
        switch (cmp_res)
        {
            case -1:
                /* n1 is less than n2, subtract n1 from n2. */

diff = _bc_do_sub (n2, n1, scale_min);
diff->n_sign = (n2->n_sign == PLUS ? MINUS : PLUS);
break;
case 0:
/* They are equal! return zero! */
res_scale = MAX (scale_min, MAX(n1->n_scale, n2->n_scale));
diff = bc_new_num (1, res_scale);
memset (diff->n_value, 0, res_scale+1);
break;
case 1:
/* n2 is less than n1, subtract n2 from n1. */
diff = _bc_do_sub (n1, n2, scale_min);
diff->n_sign = n1->n_sign;
break;
}
}

/* Clean up and return. */
bc_free_num (result);
*result = diff;
}

/* Here is the full add routine that takes care of negative numbers.
N1 is added to N2 and the result placed into RESULT. SCALE_MIN
is the minimum scale for the result. */

void
bc_add (n1, n2, result, scale_min)
    bc_num n1, n2, *result;
int scale_min;
{
    bc_num sum = NULL;
    int cmp_res;
    int res_scale;

    if (n1->n_sign == n2->n_sign)
    {
        sum = _bc_do_add (n1, n2, scale_min);
        sum->n_sign = n1->n_sign;
    }
    else
    {
        /* subtraction must be done. */
        cmp_res = _bc_do_compare (n1, n2, FALSE, FALSE); /* Compare magnitudes. */
        switch (cmp_res)
        {
        case -1:
/* n1 is less than n2, subtract n1 from n2. */
sum = _bc_do_sub (n2, n1, scale_min);
sum->n_sign = n2->n_sign;
break;
case 0:
/* They are equal! return zero with the correct scale! */
res_scale = MAX (scale_min, MAX(n1->n_scale, n2->n_scale));
sum = bc_new_num (1, res_scale);
memset (sum->n_value, 0, res_scale+1);
break;
case 1:
/* n2 is less than n1, subtract n2 from n1. */
sum = _bc_do_sub (n1, n2, scale_min);
sum->n_sign = n1->n_sign;
}
}

/* Clean up and return. */
bc_free_num (result);
*result = sum;
}

/* Recursive vs non-recursive multiply crossover ranges. */
#if defined(MULDIGITS)
#include "muldigits.h"
#else
#define MUL_BASE_DIGITS 80
#endif

int mul_base_digits = MUL_BASE_DIGITS;
#define MUL_SMALL_DIGITS mul_base_digits/4

/* Multiply utility routines */

static bc_num
new_sub_num (length, scale, value)
int length, scale;
char *value;
{

bc_num temp;

if (_bc_Free_list != NULL) {
    temp = _bc_Free_list;
    _bc_Free_list = temp->n_next;
} else {
    temp = (bc_num) malloc (sizeof(bc_struct));
    if (temp == NULL) bc_out_of_memory ();
}

/* n1 is less than n2, subtract n1 from n2. */
sum = _bc_do_sub (n2, n1, scale_min);
sum->n_sign = n2->n_sign;
break;
case 0:
/* They are equal! return zero with the correct scale! */
res_scale = MAX (scale_min, MAX(n1->n_scale, n2->n_scale));
sum = bc_new_num (1, res_scale);
memset (sum->n_value, 0, res_scale+1);
break;
case 1:
/* n2 is less than n1, subtract n2 from n1. */
sum = _bc_do_sub (n1, n2, scale_min);
sum->n_sign = n1->n_sign;
}
temp->n_sign = PLUS;
temp->n_len = length;
temp->n_scale = scale;
temp->n.refs = 1;
temp->n_ptr = NULL;
temp->n_value = value;
return temp;
}

static void
_bc_simp_mul (bc_num n1, int n1len, bc_num n2, int n2len, bc_num *prod,
           int full_scale)
{
    char *n1ptr, *n2ptr, *pvptr;
    char *n1end, *n2end;/* To the end of n1 and n2. */
    int indx, sum, prodlen;

    prodlen = n1len+n2len+1;

    *prod = bc_new_num (prodlen, 0);

    n1end = (char *) (n1->n_value + n1len - 1);
    n2end = (char *) (n2->n_value + n2len - 1);
    pvptr = (char *) (*prod)->n_value + prodlen - 1);
    sum = 0;

    /* Here is the loop... */
    for (indx = 0; indx < prodlen-1; indx++)
    {
        n1ptr = (char *) (n1end - MAX(0, indx-n2len+1));
        n2ptr = (char *) (n2end - MIN(indx, n2len-1));
        while ((n1ptr >= n1->n_value) && (n2ptr <= n2end))
            sum += *n1ptr-- * *n2ptr++;
        *pvptr-- = sum % BASE;
        sum = sum / BASE;
    }
    *pvptr = sum;
}

/* A special adder/subtractor for the recursive divide and conquer
 multiply algorithm.  Note: if sub is called, accum must
 be larger that what is being subtracted.  Also, accum and val
 must have n_scale = 0.  (e.g. they must look like integers. *) */
static void
_bc_shift_addsub (bc_num accum, bc_num val, int shift, int sub)
{
    signed char *accp, *valp;
int count, carry;

count = val->n_len;
if (val->n_value[0] == 0)
    count--;
assert (accum->n_len + accum->n_scale >= shift + count);

/* Set up pointers and others */
accp = (signed char *)(accum->n_value +
    accum->n_len + accum->n_scale - shift - 1);
valp = (signed char *)(val->n_value + val->n_len - 1);
carry = 0;

if (sub) {
    /* Subtraction, carry is really borrow. */
    while (count--) {
        *accp -= *valp-- + carry;
        if (*accp < 0) {
            carry = 1;
            *accp += BASE;
        } else {
            carry = 0;
            accp--;
        }
    }
    while (carry) {
        *accp -= carry;
        if (*accp < 0)
            *accp += BASE;
        else
            carry = 0;
    }
} else {
    /* Addition */
    while (count--) {
        *accp += *valp-- + carry;
        if (*accp > (BASE - 1)) {
            carry = 1;
            *accp -= BASE;
        } else {
            carry = 0;
            accp--;
        }
    }
    while (carry) {
        *accp += carry;
        if (*accp > (BASE - 1))
            *accp -= BASE;
else
carry = 0;
}
}
}

/* Recursive divide and conquer multiply algorithm.
   Based on
   Let u = u0 + u1*(b^n)
   Let v = v0 + v1*(b^n)
   Then uv = (B^n+2n+B^n)*u1*v1 + B^n*(u1-u0)*(v0-v1) + (B^n+1)*u0*v0
   B is the base of storage, number of digits in u1,u0 close to equal.
*/
static void
_bc_rec_mul (bc_num u, int ulen, bc_num v, int vlen, bc_num *prod,
             int full_scale)
{
   bc_num u0, u1, v0, v1;
   int u0len, v0len;
   bc_num m1, m2, m3, d1, d2;
   int n, prodlen, m1zero;
   int d1len, d2len;

   /* Base case? */
   if ((ulen+vlen) < mul_base_digits
       || ulen < MUL_SMALL_DIGITS
       || vlen < MUL_SMALL_DIGITS ) {
      _bc_simp_mul (u, ulen, v, vlen, prod, full_scale);
      return;
   }

   /* Calculate n -- the u and v split point in digits. */
   n = (MAX(ulen, vlen)+1) / 2;

   /* Split u and v. */
   if (ulen < n) {
      u1 = bc_copy_num (_zero_);
      u0 = new_sub_num (ulen,0, u->n_value);
   } else {
      u1 = new_sub_num (ulen-n, 0, u->n_value);
      u0 = new_sub_num (n, 0, u->n_value+ulen-n);
   }
   if (vlen < n) {
      v1 = bc_copy_num (_zero_);
      v0 = new_sub_num (vlen,0, v->n_value);
   } else {
      v1 = new_sub_num (vlen-n, 0, v->n_value);
      }
v0 = new_sub_num (n, 0, v->n_value+vlen-n);
} 
_bc_rm_leading_zeros (u1);
_bc_rm_leading_zeros (u0);
u0len = u0->n_len;
_bc_rm_leading_zeros (v1);
_bc_rm_leading_zeros (v0);
v0len = v0->n_len;

m1zero = bc_is_zero(u1) || bc_is_zero(v1);

/* Calculate sub results ... */
bc_init_num(&d1);
bc_init_num(&d2);
bc_sub (u1, u0, &d1, 0);
d1len = d1->n_len;
bc_sub (v0, v1, &d2, 0);
d2len = d2->n_len;

/* Do recursive multiplies and shifted adds. */
if (m1zero)
    m1 = bc_copy_num (_zero_);
else
    _bc_rec_mul (u1, u1->n_len, v1, v1->n_len, &m1, 0);
if (bc_is_zero(d1) || bc_is_zero(d2))
    m2 = bc_copy_num (_zero_);
else
    _bc_rec_mul (d1, d1len, d2, d2len, &m2, 0);
if (bc_is_zero(u0) || bc_is_zero(v0))
    m3 = bc_copy_num (_zero_);
else
    _bc_rec_mul (u0, u0->n_len, v0, v0->n_len, &m3, 0);

/* Initialize product */
prodlen = ulen+vlen+1;
*prod = bc_new_num(prodlen, 0);

if (!m1zero) {
    _bc_shift_addsub (*prod, m1, 2*n, 0);
    _bc_shift_addsub (*prod, m1, n, 0);
}
    _bc_shift_addsub (*prod, m3, n, 0);
    _bc_shift_addsub (*prod, m3, 0, 0);
    _bc_shift_addsub (*prod, m2, n, d1->n_sign != d2->n_sign);
/* Now clean up! */
bc_free_num (&u1);
b奴隶_free_num (&u0);
b奴隶_free_num (&v1);
b奴隶_free_num (&m1);
b奴隶_free_num (&v0);
b奴隶_free_num (&m2);
b奴隶_free_num (&m3);
b奴隶_free_num (&d1);
b奴隶_free_num (&d2);
}

;/* The multiply routine.  N2 times N1 is put int PROD with the scale of
the result being MIN(N2 scale+N1 scale, MAX (SCALE, N2 scale, N1 scale)).
*/

void
bc_multiply (n1, n2, prod, scale)
    bc_num n1, n2, *prod;
    int scale;
{
    bc_num pval;
    int len1, len2;
    int full_scale, prod_scale;

    /* Initialize things. */
    len1 = n1->n_len + n1->n_scale;
    len2 = n2->n_len + n2->n_scale;
    full_scale = n1->n_scale + n2->n_scale;
    prod_scale = MIN(full_scale,MAX(scale,MAX(n1->n_scale,n2->n_scale)));

    /* Do the multiply */
    _bc_rec_mul (n1, len1, n2, len2, &pval, full_scale);

    /* Assign to prod and clean up the number. */
    pval->n_sign = ( n1->n_sign == n2->n_sign ? PLUS : MINUS );
    pval->n_value = pval->n_ptr;
    pval->n_len = len2 + len1 + 1 - full_scale;
    pval->n_scale = prod_scale;
    _bc_rm_leading_zeros (pval);
    if (bc_is_zero (pval))
        pval->n_sign = PLUS;
    bc_free_num (prod);
    *prod = pval;
}

/* Some utility routines for the divide: First a one digit multiply.
NUM (with SIZE digits) is multiplied by DIGIT and the result is placed into RESULT. It is written so that NUM and RESULT can be the same pointers. */

static void
_one_mult (num, size, digit, result)
    unsigned char *num;
    int size, digit;
    unsigned char *result;
{
    int carry, value;
    unsigned char *nptr, *rptr;

    if (digit == 0)
        memset (result, 0, size);
    else
    {
        if (digit == 1)
            memcpy (result, num, size);
        else
        {
            /* Initialize */
            nptr = (unsigned char *) (num+size-1);
            rptr = (unsigned char *) (result+size-1);
            carry = 0;

            while (size-- > 0)
            {
                value = *nptr-- * digit + carry;
                *rptr-- = value % BASE;
                carry = value / BASE;
            }

            if (carry != 0) *rptr = carry;
        }
    }
}

/* The full division routine. This computes N1 / N2. It returns 0 if the division is ok and the result is in QUOT. The number of digits after the decimal point is SCALE. It returns -1 if division by zero is tried. The algorithm is found in Knuth Vol 2. p237. */

int
bc_divide (n1, n2, quot, scale)
    bc_num n1, n2, *quot;
    int scale;
/* Test for divide by zero. */
if (bc_is_zero (n2)) return -1;

/* Test for divide by 1. If it is we must truncate. */
if (n2->n_scale == 0)
{
    if (n2->n_len == 1 && *n2->n_value == 1)
    {
        qval = bc_new_num (n1->n_len, scale);
        qval->n_sign = (n1->n_sign == n2->n_sign ? PLUS : MINUS);
        memset (&qval->n_value[n1->n_len],0,scale);
        memcpy (qval->n_value, n1->n_value,
                n1->n_len + MIN(n1->n_scale,scale));
        bc_free_num (quot);
        *quot = qval;
    }
}

/* Set up the divide. Move the decimal point on n1 by n2's scale.
   Remember, zeros on the end of num2 are wasted effort for dividing. */
scale2 = n2->n_scale;
num1 = (unsigned char *) realloc (num1, len1 + scale2 + 1);
if (num1 == NULL) bc_out_of_memory();
memset (num1, 0, len1 + scale2 + 1);
memcpy (num1, n1->n_value, len1);
len2 = n2->n_len + scale2;
num2 = (unsigned char *) realloc (len2 + 1);
if (num2 == NULL) bc_out_of_memory();
memcpy (num2, n2->n_value, len2);
*(num2+len2) = 0;
n2ptr = num2;
while (*n2ptr == 0)
{
    n2ptr++;
    len2--;
}

/* Calculate the number of quotient digits. */
if (len2 > len1+scale)
{
    qdigits = scale+1;
    zero = TRUE;
}
else
{
    zero = FALSE;
    if (len2>len1)
    qdigits = scale+1; /* One for the zero integer part. */
    else
    qdigits = len1-len2+scale+1;
}

/* Allocate and zero the storage for the quotient. */
qval = bc_new_num (qdigits-scale, scale);
memset (qval->n_value, 0, qdigits);

/* Allocate storage for the temporary storage mval. */
mval = (unsigned char *) malloc (len2+1);
if (mval == NULL) bc_out_of_memory ();

/* Now for the full divide algorithm. */
if (!zero)
{
    /* Normalize */
    norm = 10 / ((int)*n2ptr + 1);
    if (norm != 1)
    {
        _one_mult (num1, len1+scale1+extra+1, norm, num1);
        _one_mult (n2ptr, len2, norm, n2ptr);
    }

    /* Initialize divide loop. */
    qdig = 0;
    if (len2 > len1)
    qptr = (unsigned char *) qval->n_value+len2-len1;
else
  qptr = (unsigned char *) qval->n_value;

  /* Loop */
  while (qdig <= len1+scale-len2)
  {
    /* Calculate the quotient digit guess. */
    if (*n2ptr == num1[qdig])
      qguess = 9;
    else
      qguess = (num1[qdig]*10 + num1[qdig+1]) / *n2ptr;

    /* Test qguess. */
    if (n2ptr[1]*qguess >
        (num1[qdig]*10 + num1[qdig+1] - *n2ptr*qguess)*10
        + num1[qdig+2])
    {
      qguess--;
      /* And again. */
      if (n2ptr[1]*qguess >
          (num1[qdig]*10 + num1[qdig+1] - *n2ptr*qguess)*10
          + num1[qdig+2])
        qguess--;
    }

    /* Multiply and subtract. */
    borrow = 0;
    if (qguess != 0)
    {
      *mval = 0;
      _one_mult (n2ptr, len2, qguess, mval+1);
      ptr1 = (unsigned char *) num1+qdig+len2;
      ptr2 = (unsigned char *) mval+len2;
      for (count = 0; count < len2+1; count++)
      {
        val = (int) *ptr1 - (int) *ptr2-- - borrow;
        if (val < 0)
        {
          val += 10;
          borrow = 1;
        }
      }
      borrow = 0;
      *ptr1-- = val;
    }

  } /* Test for negative result. */
if (borrow == 1)
{
    qguess--;  
    ptr1 = (unsigned char *) num1+qdig+len2;  
    ptr2 = (unsigned char *) n2ptr+len2-1;  
    carry = 0;  
    for (count = 0; count < len2; count++)
    {
        val = (int) *ptr1 + (int) *ptr2-- + carry;  
        if (val > 9)
        {
            val -= 10;  
            carry = 1;  
        }  
        else  
            carry = 0;  
        *ptr1-- = val;  
    }
    if (carry == 1) *ptr1 = (*ptr1 + 1) % 10;  
}

/* We now know the quotient digit. */
*qptr++ = qguess;  
qdig++;  
}

/* Clean up and return the number. */
qval->n_sign = ( n1->n_sign == n2->n_sign ? PLUS : MINUS );  
if (bc_is_zero (qval)) qval->n_sign = PLUS;  
_bc_rm_leading_zeros (qval);  
bc_free_num (quot);  
*quot = qval;  

/* Clean up temporary storage. */
free (mval);  
free (num1);  
free (num2);  

return 0; /* Everything is OK. */
}

/* Division *and* modulo for numbers. This computes both NUM1 / NUM2 and NUM1 % NUM2 and puts the results in QUOT and REM, except that if QUOT is NULL then that store will be omitted. */

int
bc_divmod (num1, num2, quot, rem, scale)
   bc_num num1, num2, *quot, *rem;
   int scale;
{
   bc_num quotient = NULL;
   bc_num temp;
   int rscale;

   /* Check for correct numbers. */
   if (bc_is_zero (num2)) return -1;

   /* Calculate final scale. */
   rscale = MAX (num1->n_scale, num2->n_scale+scale);
   bc_init_num(&temp);

   /* Calculate it. */
   bc_divide (num1, num2, &temp, scale);
   if (quot)
      quotient = bc_copy_num (temp);
   bc_multiply (temp, num2, &temp, rscale);
   bc_sub (num1, temp, rem, rscale);
   bc_free_num (&temp);

   if (quot)
   {
      bc_free_num (quot);
      *quot = quotient;
   }

   return 0; /* Everything is OK. */
}

/* Modulo for numbers. This computes NUM1 % NUM2 and puts the result in RESULT. */

int
bc_modulo (num1, num2, result, scale)
   bc_num num1, num2, *result;
   int scale;
{
   return bc_divmod (num1, num2, NULL, result, scale);
}

/* Raise BASE to the EXPO power, reduced modulo MOD. The result is placed in RESULT. If a EXPO is not an integer, only the integer part is used. */
int
bc_rasemod (base, expo, mod, result, scale)
  bc_num base, expo, mod, *result;
  int scale;
{
  bc_num power, exponent, parity, temp;
  int rscale;

  /* Check for correct numbers. */
  if (bc_is_zero(mod)) return -1;
  if (bc_is_neg(expo)) return -1;

  /* Set initial values. */
  power = bc_copy_num (base);
  exponent = bc_copy_num (expo);
  temp = bc_copy_num (_one_);
  bc_init_num(&parity);

  /* Check the base for scale digits. */
  if (base->n_scale != 0)
    bc_rt_warn ("non-zero scale in base");

  /* Check the exponent for scale digits. */
  if (exponent->n_scale != 0)
    { 
    bc_rt_warn ("non-zero scale in exponent");
    bc_divide (exponent, _one_, &exponent, 0); /*trunc*/
    }

  /* Check the modulus for scale digits. */
  if (mod->n_scale != 0)
    bc_rt_warn ("non-zero scale in modulus");

  /* Do the calculation. */
  rscale = MAX(scale, base->n_scale);
  while ( !bc_is_zero(exponent) )
    {
      (void) bc_divmod (exponent, _two_, &exponent, &parity, 0);
      if ( !bc_is_zero(parity) )
        {
        bc_multiply (temp, power, &temp, rscale);
        (void) bc_modulo (temp, mod, &temp, scale);
        }
    }

    bc_multiply (power, power, &power, rscale);
    (void) bc_modulo (power, mod, &power, scale);
}
/* Assign the value. */
bc_free_num (&power);
broadcast (&exponent);
broadcast (result);
*result = temp;
return 0;/* Everything is OK. */
}

/* Raise NUM1 to the NUM2 power. The result is placed in RESULT. Maximum exponent is LONG_MAX. If a NUM2 is not an integer, only the integer part is used. */

void
bc_raise (num1, num2, result, scale)
   bc_num num1, num2, *result;
   int scale;
{
   bc_num temp, power;
   long exponent;
   int rscale;
   int pwrscale;
   int calcscale;
   char neg;

   /* Check the exponent for scale digits and convert to a long. */
   if (num2->n_scale != 0)
      bc_rt_warn ("non-zero scale in exponent");
   exponent = bc_num2long (num2);
   if (exponent == 0 && (num2->n_len > 1 || num2->n_value[0] != 0))
      bc_rt_error ("exponent too large in raise");

   /* Special case if exponent is a zero. */
   if (exponent == 0)
      {
         bc_free_num (result);
         *result = bc_copy_num (_one_);
         return;
      }

   /* Other initializations. */
   if (exponent < 0)
      {
         neg = TRUE;
         exponent = -exponent;
         rscale = scale;
      }
   else
{  
    neg = FALSE;
    rscale = MIN (num1->n_scale*exponent, MAX(scale, num1->n_scale));
    }

/* Set initial value of temp. */
    power = bc_copy_num (num1);
    pwrscale = num1->n_scale;
    while ((exponent & 1) == 0)
    {
      pwrscale = 2*pwrscale;
      bc_multiply (power, power, &power, pwrscale);
      exponent = exponent >> 1;
    }
    temp = bc_copy_num (power);
    calcscale = pwrscale;
    exponent = exponent >> 1;

/* Do the calculation. */
    while (exponent > 0)
    {
      pwrscale = 2*pwrscale;
      bc_multiply (power, power, &power, pwrscale);
      if ((exponent & 1) == 1) {
        calcscale = pwrscale + calcscale;
        bc_multiply (temp, power, &temp, calcscale);
      }
      exponent = exponent >> 1;
    }

/* Assign the value. */
    if (neg)
    {
      bc_divide (_one_, temp, result, rscale);
      bc_free_num (&temp);
    }
    else
    {
      bc_free_num (result);
      *result = temp;
      if ((*result)->n_scale > rscale)
        (*result)->n_scale = rscale;
      bc_free_num (&power);
    }

/* Take the square root NUM and return it in NUM with SCALE digits
after the decimal place. */
int
bc_sqrt (num, scale)
    bc_num *num;
    int scale;
{
    int rscale, cmp_res, done;
    int cscale;
    bc_num guess, guess1, point5, diff;

    /* Initial checks. */
    cmp_res = bc_compare (*num, _zero_);
    if (cmp_res < 0)
        return 0; /* error */
    else
    {
        if (cmp_res == 0)
        {
            bc_free_num (num);
            *num = bc_copy_num (_zero_);
            return 1;
        }
    }
    cmp_res = bc_compare (*num, _one_);
    if (cmp_res == 0)
    {
        bc_free_num (num);
        *num = bc_copy_num (_one_);
        return 1;
    }

    /* Initialize the variables. */
    rscale = MAX (scale, (*num)->n_scale);
    bc_init_num(&guess);
    bc_init_num(&guess1);
    bc_init_num(&diff);
    point5 = bc_new_num (1,1);
    point5->n_value[1] = 5;

    /* Calculate the initial guess. */
    if (cmp_res < 0)
    {
        /* The number is between 0 and 1. Guess should start at 1. */
        guess = bc_copy_num (_one_);
        cscale = (*num)->n_scale;
    }
    else
        /* The number is between 1 and 2. Guess should start at 1. */
        guess = bc_copy_num (_one_);
        cscale = MAX (cscale, (*num)->n_scale);

    /* Scale the guess. */
    bc_set_num (&guess, 1, guess, 1, rscale);
    bc_set_num (&guess1, cscale, guess, 1, cscale);

    /* Calculate the difference. */
    bc_copy_num (&diff, &guess);
    bc_copy_num (&diff1, &guess1);
    bc_sub_num (&diff, &diff, &diff1);
    bc_free_num (&diff1);

    /* Calculate the new guess. */
    bc_add_num (&guess, &guess, &point5);
    bc_div_num (&guess, &guess, &scale);
    bc_free_num (&point5);

    /* Adjust the guess. */
    bc_add_num (&guess, &diff, &guess);
    bc_mul_num (&guess, &guess, &scale);
    bc_free_num (&diff);

    /* Return the result. */
    return bc_copy_num (guess);
}
/* The number is greater than 1. Guess should start at \( 10^{(\exp/2)} \). */

bc_int2num (&guess, 10);

bc_int2num (&guess1, (*num)->n_len);
bc_multiply (guess1, point5, &guess1, 0);
guess1->n_scale = 0;
bc_raise (guess, guess1, &guess, 0);
bc_free_num (&guess1);

cscale = 3;
}

/* Find the square root using Newton's algorithm. */
done = FALSE;
while (!done)
{
    bc_free_num (&guess1);
    guess1 = bc_copy_num (guess);
    bc_divide (*num, guess, &guess, cscale);
    bc_add (guess, guess1, &guess, 0);
    bc_multiply (guess, point5, &guess, cscale);
    bc_sub (guess, guess1, &diff, cscale+1);
    if (bc_is_near_zero (diff, cscale))
    {
        if (cscale < rscale+1)
            cscale = MIN (cscale*3, rscale+1);
        else
            done = TRUE;
    }
}

/* Assign the number and clean up. */
bc_free_num (num);
bc_divide (guess, _one_, num, rscale);
bc_free_num (&guess);
bc_free_num (&guess1);
bc_free_num (&point5);
bc_free_num (&diff);
return 1;
}

/* The following routines provide output for bcd numbers package using the rules of POSIX bc for output. */

/* This structure is used for saving digits in the conversion process. */
typedef struct stk_rec {
    long digit;
}
struct stk_rec *next;
} stk_rec;

/* The reference string for digits. */
static char ref_str[] = "0123456789ABCDEF";

/* A special output routine for "multi-character digits." Exactly
SIZE characters must be output for the value VAL. If SPACE is
non-zero, we must output one space before the number. OUT_CHAR
is the actual routine for writing the characters. */

void
bc_out_long (val, size, space, out_char)
  long val;
  int size, space;
#ifdef __STDC__
  void (*out_char)(int);
#else
  void (*out_char)();
#endif
{
  char digits[40];
  int len, ix;

  if (space) (*out_char) (');
  sprintf (digits, "%ld", val);
  len = strlen (digits);
  while (size > len)
  {
    (*out_char) ('0');
    size--;
  }
  for (ix=0; ix < len; ix++)
    (*out_char) (digits[ix]);
}

/* Output of a bcd number. NUM is written in base O_BASE using OUT_CHAR
as the routine to do the actual output of the characters. */

void
bc_out_num (num, o_base, out_char, leading_zero)
  bc_num num;
  int o_base;
#ifdef __STDC__
  void (*out_char)(int);
#else
  void (*out_char)();
#endif
#endif
int leading_zero;
{
char *nptr;
int index, fdigit, pre_space;
stk_rec *digits, *temp;
bc_num int_part, frac_part, base, cur_dig, t_num, max_o_digit;

/* The negative sign if needed. */
if (num->n_sign == MINUS) (*out_char) ('-');

/* Output the number. */
if (bc_is_zero (num))
  (*out_char) ('0');
else
  if (o_base == 10)
  {
    /* The number is in base 10, do it the fast way. */
    nptr = num->n_value;
    if (num->n_len > 1 || *nptr != 0)
      for (index=num->n_len; index>0; index--)
        (*out_char) (BCD_CHAR(*nptr++));
    else
      nptr++;
  
  if (leading_zero && bc_is_zero (num))
    (*out_char) ('0');

  /* Now the fraction. */
  if (num->n_scale > 0)
  {
    (*out_char) ('.);
    for (index=0; index<num->n_scale; index++)
      (*out_char) (BCD_CHAR(*nptr++));
  }
  else
  {
    /* special case ... */
    if (leading_zero && bc_is_zero (num))
      (*out_char) ('0');

    /* The number is some other base. */
    digits = NULL;
    bc_init_num (&int_part);
    bc_divide (num, _one_, &int_part, 0);
    bc_init_num (&frac_part);
    bc_init_num (&cur_dig);
bc_init_num (&base);
bc_sub (num, int_part, &frac_part, 0);
/* Make the INT_PART and FRAC_PART positive. */
int_part->n_sign = PLUS;
frac_part->n_sign = PLUS;
bc_int2num (&base, o_base);
broadcast_num (&max_o_digit);
broadcast_num (&max_o_digit, o_base-1);

/* Get the digits of the integer part and push them on a stack. */
while (!bc_is_zero (int_part))
{
    bc_modulo (int_part, base, &cur_dig, 0);
    temp = (stk_rec *) malloc (sizeof(stk_rec));
    if (temp == NULL) bc_out_of_memory();
    temp->digit = bc_num2long (cur_dig);
    temp->next = digits;
    digits = temp;
    bc_divide (int_part, base, &int_part, 0);
}

/* Print the digits on the stack. */
if (digits != NULL)
{
    /* Output the digits. */
    while (digits != NULL)
    {
        temp = digits;
        digits = digits->next;
        if (o_base <= 16)
            (*out_char) (ref_str[ (int) temp->digit]);
        else
            bc_out_long (temp->digit, max_o_digit->n_len, 1, out_char);
        free (temp);
    }
}

/* Get and print the digits of the fraction part. */
if (num->n_scale > 0)
{
    (*out_char) ('.');</n    pre_space = 0;
    t_num = bc_copy_num (_one_);
    while (t_num->n_len <= num->n_scale) {
        bc_multiply (frac_part, base, &frac_part, num->n_scale);
        f_digit = bc_num2long (frac_part);
        bc_int2num (&int_part, f_digit);
bc_sub (frac_part, int_part, &frac_part, 0);
    if (o_base <= 16)
        (*out_char) (ref_str[fdigit]);
    else {
        bc_out_long (fdigit, max_o_digit->n_len, pre_space, out_char);
        pre_space = 1;
    }
    bc_multiply (t_num, base, &t_num, 0);
}
bc_free_num (&t_num);
/* Clean up. */
bcd_free_num (&int_part);
bcd_free_num (&frac_part);
bcd_free_num (&base);
bcd_free_num (&cur_digit);
bcd_free_num (&max_o_digit);
}
}
/* Convert a number NUM to a long.  The function returns only the integer
   part of the number.  For numbers that are too large to represent as
   a long, this function returns a zero.  This can be detected by checking
   the NUM for zero after having a zero returned. */

long
bc_num2long (num)
    bc_num num;
{
    long val;
    char *nptr;
    int  index;

    /* Extract the int value, ignore the fraction. */
    val = 0;
    nptr = num->n_value;
    for (index=num->n_len; (index>0) && (val<=(LONG_MAX/BASE)); index--)
     val = val*BASE + *nptr++;

    /* Check for overflow.  If overflow, return zero. */
    if (index>0) val = 0;
    if (val < 0) val = 0;

    /* Return the value. */
    if (num->n_sign == PLUS)
        return (val);
    else
        return (-val);
/* Convert an integer VAL to a bc number NUM. */

void
bc_int2num (num, val)
    bc_num *num;
    int val;
{
    char buffer[30];
    char *bptr, *vptr;
    int  ix = 1;
    char neg = 0;

    /* Sign. */
    if (val < 0)
    {
        neg = 1;
        val = -val;
    }

    /* Get things going. */
    bptr = buffer;
    *bptr++ = val % BASE;
    val = val / BASE;

    /* Extract remaining digits. */
    while (val != 0)
    {
        *bptr++ = val % BASE;
        val = val / BASE;
        ix++; /* Count the digits. */
    }

    /* Make the number. */
    bc_free_num (num);
    *num = bc_new_num (ix, 0);
    if (neg) (*num)->n_sign = MINUS;

    /* Assign the digits. */
    vptr = (*num)->n_value;
    while (ix-- > 0)
    *vptr++ = *--bptr;
}

/* Convert a numbers to a string. Base 10 only.*/
char
*num2str (num)
    {bc_num num;
char *str, *sptr;
char *nptr;
int index, signch;

    /* Allocate the string memory. */
    signch = (num->n_sign == PLUS ? 0 : 1); /* Number of sign chars. */
    if (num->n_scale > 0)
        str = (char *) malloc (num->n_len + num->n_scale + 2 + signch);
    else
        str = (char *) malloc (num->n_len + 1 + signch);
    if (str == NULL) bc_out_of_memory();

    /* The negative sign if needed. */
    sptr = str;
    if (signch) *sptr++ = '-';

    /* Load the whole number. */
    nptr = num->n_value;
    for (index=num->n_len; index>0; index--)
        *sptr++ = BCD_CHAR(*nptr++);

    /* Now the fraction. */
    if (num->n_scale > 0)
        { /*sptr++ = '.';
            for (index=0; index<num->n_scale; index++)
                *sptr++ = BCD_CHAR(*nptr++);
        }

    /* Terminate the string and return it! */
    *sptr = '0';
    return (str);
}

/* Convert strings to bc numbers. Base 10 only.*/

void
bc_str2num (num, str, scale)
    {bc_num *num;
char *str;
int scale;
    {int digits, strscale;
char *ptr, *nptr;
char zero_int;
/* Prepare num. */
bc_free_num (num);

/* Check for valid number and count digits. */
ptr = str;
digits = 0;
strscale = 0;
zero_int = FALSE;
if ( (*ptr == '+') || (*ptr == '-')) ptr++;  /* Sign */
while (*ptr == '0') ptr++; /* Skip leading zeros. */
while (isdigit((int)*ptr)) ptr++, digits++; /* digits */
if (*ptr == '.') ptr++; /* decimal point */
while (isdigit((int)*ptr)) ptr++, strscale++; /* digits */
if (((*ptr != '\0') || (digits+strscale == 0))
{
    *num = bc_copy_num (_zero_);
    return;
}

/* Adjust numbers and allocate storage and initialize fields. */
strscale = MIN(strscale, scale);
if (digits == 0)
{
    zero_int = TRUE;
digits = 1;
}
*nnum = bc_new_num (digits, strscale);

/* Build the whole number. */
ptr = str;
if (*ptr == '.')
{
    (*num)->n_sign = MINUS;
    ptr++;
}
else
{
    (*num)->n_sign = PLUS;
    if (*ptr == '+') ptr++;
}
while (*ptr == '0') ptr++; /* Skip leading zeros. */
nptr = (*num)->n_value;
if (zero_int)
{
    *nptr++ = 0;
digits = 0;
}
for (;digits > 0; digits--)
    *nptr++ = CH_VAL(*ptr++);

/* Build the fractional part. */
if (strscale > 0)
{
    ptr++; /* skip the decimal point! */
    for (;strscale > 0; strscale--)
        *nptr++ = CH_VAL(*ptr++);
}

/* pn prints the number NUM in base 10. */

static void
out_char (int c)
{
    putchar(c);
}

void
pn (num)
    bc_num num;
{
    bc_out_num (num, 10, out_char, 0);
    out_char ('\n');
}

/* pv prints a character array as if it was a string of bcd digits. */
void
pv (name, num, len)
    char *name;
    unsigned char *num;
    int len;
{
    int i;
    printf ("%s=", name);
    for (i=0; i<len; i++) printf ("%c", BCD_CHAR(num[i]));
    printf ("\n");
}
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1.120 usbutils 007

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

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:
Gnomovision version 69, Copyright (C) year name of author
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This is free software, and you are welcome to redistribute it
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The hypothetical commands `show w' and `show c' should show the appropriate
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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.121 perl 5.14.2
1.121.1 Available under license :

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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
bzlib/libbzlib version 1.0.6 of 6 September 2010

#perl

=head1 NAME
copyright.t

=head1 DESCRIPTION

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

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

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

=cut

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

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

my ($opt) = @ARGV;

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

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

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

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";

    # The copyright message is the first paragraph:
    local $/ = " ";
    my $copyright_msg = <$readme>;

    my ($year) = $copyright_msg =~ /.*\b(\d{4,})\b/; 
    or die "Year not found in README copyright message '$copyright_msg'";

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

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

$year;
}

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

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

That's all there is to it!

1.122 less 466
1.122.1 Available under license :

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1.124 libtecla 1.4.1
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1.125 linux-kernel 3.14.39ltsi++

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That's all there is to it!
Thanks go to the following people for patches and contributions:

Michael Hunold <m.hunold@gmx.de>
for the initial saa7146 driver and its recent overhaul

Christian Theiss
for his work on the initial Linux DVB driver

Marcus Metzler <mocm@metzlerbros.de>
Ralph Metzler <rjkm@metzlerbros.de>
for their continuing work on the DVB driver

Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

Martin Schaller <martin@smurf.franken.de>
for patching the cable card decoder driver

Klaus Schmidinger <Klaus.Schmidinger@cadsoft.de>
for various fixes regarding tuning, OSD and CI stuff and his work on VDR

Steve Brown <sbrown@cortland.com>
for his AFC kernel thread

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Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
Ronny Strutz <3des@elitedvb.de>
Wolfram Joost <dbox2@frokaschwei.de>
...and all the other dbox2 people
for many bugfixes in the generic DVB Core, frontend drivers and
their work on the dbox2 port of the DVB driver
Oliver Endriss <o.endriss@gmx.de>
for many bugfixes

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for the tda1004x frontend driver, and various bugfixes

Peter Schildmann <peter.schildmann@web.de>
for the driver for the Technisat SkyStar2 PCI DVB card

Vadim Catana <skystar@moldova.cc>
Roberto Ragusa <r.ragusa@libero.it>
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Davor Emard <emard@softhome.net>
for his work on the budget drivers, the demux code,
the module unloading problems, ...

Hans-Frieder Vogt <shfvogt@arcor.de>
for his work on calculating and checking the crc’s for the
 TechnoTrend/Hauppauge DEC driver firmware

Michael Dreher <michael@5dot1.de>
Andreas 'randy' Weinberger
for the support of the Fujitsu-Siemens Activy budget DVB-S

Kenneth Aafly <ke-aa@frisurf.no>
for adding support for Typhoon DVB-S budget card

Ernst Peinlich <e.peinlich@inode.at>
for tuning/DiSEqC support for the DEC 3000-s

Peter Beutner <p.beutner@gmx.net>
for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
for the lgdt330x frontend driver, and various bugfixes

Michael Krufky <mkrufky@linuxtv.org>
for maintaining v4l/dvb inter-tree dependencies

Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
line to the DVB mailing list)

From f9962aa7d2db7388bdcfdafece8eef3a11cb060b Mon Sep 17 00:00:00 2001
From: Jagpal Gill <jagpgill@cisco.com>
Date: Tue, 22 Apr 2014 01:42:16 -0700
Subject: [PATCH] mm: Add nxos warpper for kmemleak_* GPL symbols

Add nxos wrapper for GPL symbols - kmemleak_alloc, kmemleak_alloc_percpu;
for use in NXOS kernel modules.

NOTE: This approach is extremely frowned upon by the kernel community and
seen as an obvious attempt around module licensing. Accordingly, we need
to shrink -- NOT increase -- the number of GPL symbols wrapped like
this.

Signed-off-by: Jagpal Gill <jagpgill@cisco.com>
---

diff --git a/mm/kmemleak.c b/mm/kmemleak.c
index 45eb621..5c6258d 100644
--- a/mm/kmemleak.c
+++ b/mm/kmemleak.c
@@ -895,6 +895,16 @@ void __ref kmemleak_alloc(const void *ptr, size_t size, int min_count,
 }
EXPORT_SYMBOL_GPL(kmemleak_alloc);

+#ifdef CONFIG_NXOS
+/* NXOS wrapper for GPL symbols */
+void __ref nxos_kmemleak_alloc(const void *ptr, size_t size, int min_count,
+gfp_t gfp)
+{
+kmemleak_alloc(ptr, size, min_count, gfp);
+}
+EXPORT_SYMBOL(nxos_kmemleak_alloc);
+#endif
+
+/**
+ * kmemleak_alloc_percpu - register a newly allocated __percpu object
+ * @ptr:__percpu pointer to beginning of the object
+ */
@@ -923,6 +933,15 @@ void __ref kmemleak_alloc_percpu(const void __percpu *ptr, size_t size) }
EXPORT_SYMBOL_GPL(kmemleak_alloc_percpu);
/* NXOS wrapper for GPL symbol */
void __ref nxos_kmemleak_alloc_percpu(const void __percpu *ptr, size_t size)
{
    kmemleak_alloc_percpu(ptr, size);
}

EXPORT_SYMBOL(nxos_kmemleak_alloc_percpu);

/**
 * kmemleak_free - unregister a previously registered object
 * @ptr: pointer to beginning of the object
 --
1.7.8
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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
* Contributors to bttv:

Michael Chu <mmchu@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)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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

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

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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.

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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Appendix: How to Apply These Terms to Your New Libraries

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<one line to give the library's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

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.

Please keep the following list in alphabetical order.

Suman Anna
Sripal Bagadia
Felipe Balbi
Ohad Ben-Cohen
Phil Carmody
Deepak Chitriki
Felipe Contreras
Hiroshi Doyu
Seth Forshee
Ivan Gomez Castellanos
Mark Grosen
Ramesh Gupta G
Fernando Guzman Lugo
Axel Haslam
static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}

#endif

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

1.128 gdb 7.7.1
#!/usr/bin/env python

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#
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"""copyright.py

This script updates the list of years in the copyright notices in
most files maintained by the GDB project.

Usage: cd src/gdb && python copyright.py

Always review the output of this script before committing it!
A useful command to review the output is:
   % filterdiff -x *.c -x *.cc -x *.h -x *.exp updates.diff
This removes the bulk of the changes which are most likely to be correct.
"""

import datetime
import os
import os.path
import subprocess

def get_update_list():
    """Return the list of files to update.

    Assumes that the current working directory when called is the root
    of the GDB source tree (NOT the gdb/ subdirectory!).  The names of
    the files are relative to that root directory.
    """
    result = []
    for gdb_dir in ('gdb', 'sim', 'include/gdb'):
for root, dirs, files in os.walk(gdb_dir, topdown=True):
    for dirname in dirs:
        reldirname = "%s/%s" % (root, dirname)
        if (dirname in EXCLUDE_ALL_LIST
            or reldirname in EXCLUDE_LIST
            or reldirname in NOT_FSF_LIST
            or reldirname in BY_HAND):
            # Prune this directory from our search list.
            dirs.remove(dirname)
    for filename in files:
        relpath = "%s/%s" % (root, filename)
        if (filename in EXCLUDE_ALL_LIST
            or relpath in EXCLUDE_LIST
            or relpath in NOT_FSF_LIST
            or relpath in BY_HAND):
            # Ignore this file.
            pass
        else:
            result.append(relpath)
    return result

def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnulib's update-copyright script for that.
    """
    os.environ["UPDATE_COPYRIGHT_USE_INTERVALS"] = '2'
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list
    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                         stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
    # For each of those, do a sanity check and see if they may in fact
    # have one. For the files that are found not to have one, we filter
    # the line out from the output, since there is nothing more to do,
    # short of looking at each file and seeing which notice is appropriate.
# Too much work! (~4,000 files listed as of 2012-01-03).
update_out = update_out.splitlines()
warning_string = ': warning: copyright statement not found'
warning_len = len(warning_string)

for line in update_out:
    if line.endswith('n'):
        line = line[:-1]
    if line.endswith(warning_string):
        filename = line[:-warning_len]
        if may_have_copyright_notice(filename):
            print line
        else:
            # Unrecognized file format. !?!
            print "*** " + line

    def may_have_copyright_notice(filename):
        """Check that the given file does not seem to have a copyright notice.

        The filename is relative to the root directory.
        This function assumes that the current working directory is that root
        directory.

        The algorithm is fairly crude, meaning that it might return
        some false positives. I do not think it will return any false
        negatives... We might improve this function to handle more
        complex cases later...
        """

        # For now, it may have a copyright notice if we find the word
        # "Copyright" at the (reasonable) start of the given file, say
        # 50 lines...
        MAX_LINES = 50

        fd = open(filename)

        lineno = 1
        for line in fd:
            if 'Copyright' in line:
                return True
            lineno += 1
            if lineno > 50:
                return False
        return False

    def main ():
        """The main subprogram."""
if not os.path.isfile("gdb/gnulib/gnuimport/copyright"):
    print "Error: This script must be called from the gdb directory."
root_dir = os.path.dirname(os.getcwd())
os.chdir(root_dir)

update_list = get_update_list()
update_files(update_list)

# Remind the user that some files need to be updated by HAND...

if MULTIPLE_COPYRIGHT_HEADERS:
    print
    print("\033[31m" "REMINDER: Multiple copyright headers must be updated by hand:" "\033[0m")
    for filename in MULTIPLE_COPYRIGHT_HEADERS:
        print " ", filename

if BY_HAND:
    print
    print "\033[31mREMINDER: The following files must be updated by hand." \ "\033[0m"
    for filename in BY_HAND:
        print " ", filename

############################################################################
#
# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
############################################################################

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = (  
    'gdb/gdb/glibc_thread_db.h',  
    'gdb/CONTRIBUTE',  
    'gdb/gnulib/import'  
)

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.

EXCLUDE_ALL_LIST = (
    "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c",
    "fdl.texi", "gpl.texi", "alocal.m4",
)

# The list of files to update by hand.
BY_HAND = (
    # Nothing at the moment :-).
)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (
    "gdb/exc_request.defs",
    "gdb/gdbtk",
    "gdb/testsuite/gdb.gdbtk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcpro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accfp.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    # Not a single file in sim/ppc/ appears to be copyright FSF :-(. 
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/decode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
)
if __name__ == "__main__":
    main()

/* BSD Kernel Data Access Library (libkvm) interface.

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#define _KMEMUSER
#include "defs.h"
#include "cli/cli-cmds.h"
#include "command.h"
#include "frame.h"
#include "regcache.h"
#include "target.h"
#include "process-stratum-target.h"
#include "value.h"
#include "gdbcore.h"
#include "inferior.h" /* for get_exec_file */
#include "gdbthread.h"

#include <fcntl.h>
#include <kvm.h>
#ifdef HAVE_NLIST_H
#include <nlist.h>
#endif
#include <paths.h>
#include "readline/readline.h"
#include <sys/param.h>
#include <sys/proc.h>
#ifdef HAVE_SYS_USER_H
#include <sys/user.h>
#endif

#include "bsd-kvm.h"

/* Kernel memory device file. */
static const char *bsd_kvm_corefile;

/* Kernel memory interface descriptor. */
static kvm_t *core_kd;
/* Address of process control block. */
static struct pcb *bsd_kvm_paddr;

/* Pointer to architecture-specific function that reconstructs the
register state from PCB and supplies it to REGCACHE. */
static int (*bsd_kvm_supply_pcb)(struct regcache *regcache, struct pcb *pcb);

/* This is the ptid we use while we're connected to kvm. The kvm
target currently doesn't export any view of the running processes,
so this represents the kernel task. */
static ptid_t bsd_kvm_ptid;

/* The libkvm target. */

static const target_info bsd_kvm_target_info = {
  "kvm",
  N_("Kernel memory interface"),
  N_("Use a kernel virtual memory image as a target.\nOptionally specify the filename of a core dump.")
};

class bsd_kvm_target final : public process_stratum_target
{
public:
  bsd_kvm_target () = default;

  const target_info &info () const override
  { return bsd_kvm_target_info; }

  void close () override;

  void fetch_registers (struct regcache *, int) override;
  enum target_xfer_status xfer_partial (enum target_object object,
const char *annex,
gdb_byte *readbuf,
const gdb_byte *writebuf,
ULONGEST offset, ULONGEST len,
ULONGEST *xfered_len) override;

  void files_info () override;
  bool thread_alive (ptid_t ptid) override;
  const char *pid_to_str (ptid_t) override;

  bool has_memory () override { return true; }
  bool has_stack () override { return true; }
  bool has_registers () override { return true; }
};

/* Target ops for libkvm interface. */
static bsd_kvm_target bsd_kvm_ops;
static void
bsd_kvm_target_open (const char *arg, int from_tty)
{
char errbuf[_POSIX2_LINE_MAX];
char *execfile = NULL;
kvm_t *temp_kd;
char *filename = NULL;
target_preopen (from_tty);
if (arg)
{
char *temp;
filename = tilde_expand (arg);
if (filename[0] != '/')
{
temp = concat (current_directory, "/", filename, (char *)NULL);
xfree (filename);
filename = temp;
}
}
execfile = get_exec_file (0);
temp_kd = kvm_openfiles (execfile, filename, NULL,
write_files ? O_RDWR : O_RDONLY, errbuf);
if (temp_kd == NULL)
error (("%s"), errbuf);
bsd_kvm_corefile = filename;
unpush_target (&bsd_kvm_ops);
core_kd = temp_kd;
push_target (&bsd_kvm_ops);
add_thread_silent (bsd_kvm_ptid);
inferior_ptid = bsd_kvm_ptid;
target_fetch_registers (get_current_regcache (), -1);
reinit_frame_cache ();
print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}
void
bsd_kvm_target::close ()

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if (core_kd)
{
    if (kvm_close (core_kd) == -1)
        warning ("%s\n"), kvm_geterr(core_kd));
    core_kd = NULL;
}

inferior_ptid = null_ptid;
discard_all_inferiors ();

static LONGEST
bsd_kvm_xfer_memory (CORE_ADDR addr, ULONGEST len,
    gdb_byte *readbuf, const gdb_byte *writebuf)
{
    ssize_t nbytes = len;

    if (readbuf)
        nbytes = kvm_read (core_kd, addr, readbuf, nbytes);
    if (writebuf && nbytes > 0)
        nbytes = kvm_write (core_kd, addr, writebuf, nbytes);
    return nbytes;
}

enum target_xfer_status
bsd_kvm_target::xfer_partial (enum target_object object,
    const char *annex, gdb_byte *readbuf,
    const gdb_byte *writebuf,
    ULONGEST offset, ULONGEST len, ULONGEST *xfered_len)
{
    switch (object)
    {
    case TARGET_OBJECT_MEMORY:
        {
            LONGEST ret = bsd_kvm_xfer_memory (offset, len, readbuf, writebuf);

            if (ret < 0)
                return TARGET_XFER_E_IO;
            else if (ret == 0)
                return TARGET_XFER_EOF;
            else
            {
                *xfered_len = (ULONGEST) ret;
                return TARGET_XFER_OK;
            }
        }
    }
default:
  return TARGET_XFER_E_IO;
}

void
bsd_kvm_target::files_info ()
{
  if (bsd_kvm_corefile && strcmp (bsd_kvm_corefile, _PATH_MEM) != 0)
    printf_filtered (_("\tUsing the kernel crash dump %s\n"),
        bsd_kvm_corefile);
  else
    printf_filtered (_("\tUsing the currently running kernel\n"));
}

/* Fetch process control block at address PADDR. */

static int
bsd_kvm_fetch_pcb (struct regcache *regcache, struct pcb *paddr)
{
  struct pcb pcb;

  if (kvm_read (core_kd, (unsigned long) paddr, &pcb, sizeof pcb) == -1)
    error (("%s"), kvm_geterr (core_kd));

  gdb_assert (bsd_kvm_supply_pcb);
  return bsd_kvm_supply_pcb (regcache, &pcb);
}

void
bsd_kvm_target::fetch_registers (struct regcache *regcache, int regnum)
{
  struct nlist nl[2];

  if (bsd_kvm_paddr)
    bsd_kvm_fetch_pcb (regcache, bsd_kvm_paddr);

  /* On dumping core, BSD kernels store the faulting context (PCB)
     in the variable "dumppcb". */
  memset (nl, 0, sizeof nl);
  nl[0].n_name = ".dumppcb";

  if (kvm_nlist (core_kd, nl) == -1)
    error (("%s"), kvm_geterr (core_kd));
if (nl[0].n_value != 0)
{
  /* Found dumppcb. If it contains a valid context, return immediately. */
  if (bsd_kvm_fetch_pcb (regcache, (struct pcb *) nl[0].n_value))
    return;
}

/* Traditional BSD kernels have a process proc0 that should always be present. The address of proc0's PCB is stored in the variable "proc0paddr". */
memset (nl, 0, sizeof nl);
nl[0].n_name = "proc0paddr";

if (kvm_nlist (core_kd, nl) == -1)
  error ("%s"), kvm_geterr (core_kd);

if (nl[0].n_value != 0)
{
  struct pcb *paddr;

  /* Found proc0paddr. */
  if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
    error ("%s"), kvm_geterr (core_kd);

  bsd_kvm_fetch_pcb (regcache, paddr);
  return;
}

#ifdef HAVE_STRUCT_THREAD_TD_PCB
/* In FreeBSD kernels for 5.0-RELEASE and later, the PCB no longer lives in `struct proc' but in `struct thread'. The `struct thread' for the initial thread for proc0 can be found in the variable "thread0". */
memset (nl, 0, sizeof nl);
nl[0].n_name = "thread0";

if (kvm_nlist (core_kd, nl) == -1)
  error ("%s"), kvm_geterr (core_kd);

if (nl[0].n_value != 0)
{
  struct pcb *paddr;

  /* Found thread0. */
  nl[0].n_value += offsetof (struct thread, td_pcb);
if (kvm_read (core_kd, nl[0].n_value, &paddr, sizeof paddr) == -1)
  error ("%s"), kvm_geterr (core_kd));

  bsd_kvm_fetch_pcb (regcache, paddr);
  return;
}
#endif

/* i18n: PCB == "Process Control Block". */
error (_("Cannot find a valid PCB"));
}

/* Kernel memory interface commands. */
struct cmd_list_element *bsd_kvm_cmdlist;

static void
bsd_kvm_cmd (const char *arg, int fromtty)
{
  /* ??? Should this become an alias for "target kvm"? */
}
#endif HAVE_STRUCT_THREAD_TD_PCB

static void
bsd_kvm_proc_cmd (const char *arg, int fromtty)
{
  CORE_ADDR addr;

  if (arg == NULL)
    error_no_arg (_("proc address"));

  if (core_kd == NULL)
    error (_("No kernel memory image."));

  addr = parse_and_eval_address (arg);
  #ifdef HAVE_STRUCT_LWP
  addr += offsetof (struct lwp, l_addr);
  #else
  addr += offsetof (struct proc, p_addr);
  #endif

  if (kvm_read (core_kd, addr, &bsd_kvm_paddr, sizeof bsd_kvm_paddr) == -1)
    error ("%s"), kvm_geterr (core_kd));

  target_fetch_registers (get_current_regcache (), -1);

  reinit_frame_cache ();
static void
bsd_kvm_pcb_cmd (const char *arg, int fromtty)
{
    if (arg == NULL)
        /* i18n: PCB == "Process Control Block". */
        error_no_arg (_("pcb address"));

    if (core_kd == NULL)
        error (_("No kernel memory image."));

    bsd_kvm_paddr = (struct pcb *)(u_long) parse_and_eval_address (arg);

    target_fetch_registers (get_current_regcache (), -1);

    reinit_frame_cache ();
    print_stack_frame (get_selected_frame (NULL), 0, SRC_AND_LOC, 1);
}

bool
bsd_kvm_target::thread_alive (ptid_t ptid)
{
    return true;
}

const char *
bsd_kvm_target::pid_to_str (ptid_t ptid)
{
    static char buf[64];
    xsnprintf (buf, sizeof buf, "<kvm>");
    return buf;
}

/* Add the libkvm interface to the list of all possible targets and-register CUPPLY_PCB as the architecture-specific process control-block interpreter. */

void
bsd_kvm_add_target (int (*supply_pcb)(struct regcache *, struct pcb *))
{
    gdb_assert (bsd_kvm_supply_pcb == NULL);
    bsd_kvm_supply_pcb = supply_pcb;

    add_target (bsd_kvm_target_info, bsd_kvm_target_open);
add_prefix_cmd ("kvm", class_obscure, bsd_kvm_cmd, _("Generic command for manipulating the kernel memory interface.
"), &bsd_kvm_cmdlist, "kvm ", 0, &cmdlist);

 ifndef HAVE_STRUCT_THREAD_TD_PCB
 add_cmd ("proc", class_obscure, bsd_kvm_proc_cmd,
 _("Set current context from proc address"), &bsd_kvm_cmdlist);
 endif
 add_cmd ("pcb", class_obscure, bsd_kvm_pcb_cmd,
 /* i18n: PCB == "Process Control Block". */
 _("Set current context from pcb address"), &bsd_kvm_cmdlist);

 /* Some notes on the ptid usage on this target.

 The pid field represents the kvm inferior instance. Currently, we don't support multiple kvm inferiors, but we start at 1 anyway. The lwp field is set to != 0, in case the core wants to refer to the whole kvm inferior with ptid(1,0,0).

 If kvm is made to export running processes as gdb threads, the following form can be used:
 ptid (1, 1, 0) -> kvm inferior 1, in kernel
 ptid (1, 1, 1) -> kvm inferior 1, process 1
 ptid (1, 1, 2) -> kvm inferior 1, process 2
 ptid (1, 1, n) -> kvm inferior 1, process n */

 bsd_kvm_ptid = ptid_t (1, 1, 0);
 }
NR == 1."[ ]*15\. Disclaimer of Warranty\[ ]*$/
if ($0 ~ \//)
{
    printf "  printf_filtered ("\n\n\n";
}
else if ($0 !~ \^[ ]*15\. Disclaimer of Warranty\^[ ]*$/)
{
    printf "  printf_filtered ("\n;
    for (i = 1; i < NF; i++)
    printf "  printf_filtered ("%s\n\n"), $i;
    printf "  printf_filtered ("%s\n\n"), $NF;
}

\^[ ]*15\. Disclaimer of Warranty\^[ ]*$/
print ");
print "=";
print "static void"
print "show_warranty_command (const char *ignore, int from_tty)";
print ");

\^[ ]*15\. Disclaimer of Warranty\^[ ]*$/ END OF TERMS AND CONDITIONS\^[ ]*$/
if (! ($0 ~ \^[ ]*END OF TERMS AND CONDITIONS\^[ ]*$/))
{
    printf "  printf_filtered ("\n;
    for (i = 1; i < NF; i++)
    printf "  printf_filtered ("%s\n\n"), $i;
    printf "  printf_filtered ("%s\n\n"), $NF;
}

END
print ");
print "=";
print "void"
print ".initialize_copying (void)"
print ");
print "add_cmd ("copying\", no_set_class, show_copying_command,";
print "\"Conditions for redistributing copies of GDB\"),";
print "&showlist)\";
print "add_cmd ("warranty\", no_set_class, show_warranty_command,";
print "\"Various kinds of warranty you do not have\"),";
print "&showlist)\";
print "=";
print "* For old-timers, allow \"info copying\", etc. */
print "add_info ("copying\", show_copying_command,";
print "\"Conditions for redistributing copies of GDB\"),";
print "add_info ("warranty\", show_warranty_command,";
print "\"Various kinds of warranty you do not have\"),";
print "/_initialize_copying (void)\";
print ");

print "}";
}
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#define X86_BSD_NAT_H

#define X86_BSD_NAT_H

#include "x86-nat.h"

/* Low level x86 XSAVE info. */
extern size_t x86bsd_xsave_len;

/* A prototype *BSD/x86 target. */

template<typename BaseTarget>
class x86bsd_nat_target : public x86_nat_target<BaseTarget>
{
    using base_class = x86_nat_target<BaseTarget>;

    public:

    #ifdef HAVE_PT_GETDBREGS
    void mourn_inferior () override
    {
        x86_cleanup_dregs ();
        base_class::mourn_inferior ();
    }
    #endif /* HAVE_PT_GETDBREGS */
};

#endif /* x86-bsd-nat.h */

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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.

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also 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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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.

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

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Version 2.1, February 1999

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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.

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

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

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

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

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

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

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

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.)

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#ifndef I386_BSD_NAT_H
#define I386_BSD_NAT_H

/* Helper functions. See definitions. */
extern void i386bsd_fetch_inferior_registers (struct regcache *regcache, int regnum);
extern void i386bsd_store_inferior_registers (struct regcache *regcache, int regnum);

/* A prototype *BSD/i386 target. */

template<
type_t BaseTarget>
class i386_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
   public:
   
   void fetch_registers (struct regcache *regcache, int regnum) override
   { i386bsd_fetch_inferior_registers (regcache, regnum); } 

   void store_registers (struct regcache *regcache, int regnum) override
   { i386bsd_store_inferior_registers (regcache, regnum); } 
};

@endef /* i386-bsd-nat.h */

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*/

#ifndef AMD64_BSD_NAT_H
#define AMD64_BSD_NAT_H

#include "x86-bsd-nat.h"

#ifndef AMD64_BSD_NAT_H
#define AMD64_BSD_NAT_H

#include "x86-bsd-nat.h"

/* Helper functions. See definitions. */
extern void amd64bsd_fetch_inferior_registers (struct regcache *regcache, int regnum);
extern void amd64bsd_store_inferior_registers (struct regcache *regcache, int regnum);

/* A prototype *BSD/AMD64 target. */

template<typename BaseTarget>
class amd64_bsd_nat_target : public x86bsd_nat_target<BaseTarget>
{
    public:
void fetch_registers (struct regcache *regcache, int regnum) override
{
    amd64bsd_fetch_inferior_registers (regcache, regnum);
}

void store_registers (struct regcache *regcache, int regnum) override
{
    amd64bsd_store_inferior_registers (regcache, regnum);
}

#endif /* i386-bsd-nat.h */

1.129 sysv-init 2.88
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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
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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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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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1.131 lvm2 2.02.97

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*
*/

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

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

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

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

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

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*/

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

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   *
   * Optimised ANSI C code for the Rijndael cipher (now AES)
   *
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#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef_COMPAT_POLL_H_
#define_COMPAT_POLL_H_

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

typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLR0x0008
#define POLLHUP0x0010
#define POLLNVAL0x0020
#if 0
/* the following are currently not implemented */
#define POLLPR10x0002
#define POLLRDNRMO0x0040
#define POLLRNDPOLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDDBAND0x0080
#define POLLWRBAND 0x0100
#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H */
#endif /* !HAVE_POLL_H */

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1.136 ncftp 3.2.5

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The End
# This is a Makefile stub which handles the creation of BSD shared libraries.

# In order to use this stub, the following makefile variables must be defined.

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

all:: image

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

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

image:: $(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

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Theodore Ts'o
23-June-2007

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Whether this is true is especially significant if the work can be
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That's all there is to it!
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/#
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Gadi Oxman, August 1995

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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>,
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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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were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006

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Contributors to btv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorg.uku.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)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
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Please keep the following list in alphabetical order.

Suman Anna
Sripal Bagadia
Felipe Balbi
Ohad Ben-Cohen
Phil Carmody
Deepak Chitriki
Felipe Contreras
Hiroshi Doyu
Seth Forshee
Ivan Gomez Castellanos
Mark Grosen
Ramesh Gupta G
Fernando Guzman Lugo
Axel Haslam
Janet Head
Shivananda Hebbar
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Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

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for patching the cable card decoder driver

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Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
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for many bugfixes

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for the tda1004x frontend driver, and various bugfixes

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for the driver for the Technisat SkyStar2 PCI DVB card

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for his work on the budget drivers, the demux code,
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for adding support for Typhoon DVB-S budget card

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for tuning/DiSEqC support for the DEC 3000-s

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for the IR code for the ttusb-dec driver

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for the lgdt330x frontend driver, and various bugfixes

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for maintaining v4l/dvb inter-tree dependencies

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for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
line to the DVB mailing list)
/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
  *interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
  *and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
  *loss of link, and correctly re-enable PHY when link is
  *re-established. (put back CFG_PHYIE)
  *
  * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
  *
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
  *
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
  * see init_nicstar() for PHY initialization to change this. This driver
  * expects the Linux ATM stack to support scatter-gather lists
  * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
  *
* Implementing minimal-copy of received data:
  * IDT always receives data into a small buffer, then large buffers
  * as needed. This means that data must always be copied to create
  * the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
  * Fix is simple: make large buffers large enough to hold entire
  * SDU, and leave <small_buffer_data> bytes empty at the start. Then
  * copy small buffer contents to head of large buffer.
  * Trick is to avoid fragmenting Linux, due to need for a lot of large
  * buffers. This is done by 2 things:
  * 1) skb->destructor / skb->atm.recycle_buffer
  *     combined, allow nicstar_free_rx_skb to be called to
  *     recycle large data buffers
  * 2) skb_clone of received buffers
  * See nicstar_free_rx_skb and linearize_buffer for implementation
  * details.
  *
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* GNU General Public License for more details.
Add nxos wrapper for GPL symbols - kmemleak_alloc, kmemleak_alloc_percpu; for use in NXOS kernel modules.

NOTE: This approach is extremely frowned upon by the kernel community and seen as an obvious attempt around module licensing. Accordingly, we need to shrink -- NOT increase -- the number of GPL symbols wrapped like this.

Signed-off-by: Jagpal Gill <jagpgill@cisco.com>

---

```c
#include <linux/module.h>
#include <linux/kmemleak.h>

module init(jagpgill_kmemleak_init)
{...

module_exit(jagpgill_kmemleak_exit)
{...

void __ref nxos_kmemleak_alloc(const void *ptr, size_t size, int min_count, gfp_t gfp)
{
    kmemleak_alloc(ptr, size, min_count, gfp);
}

EXPORT_SYMBOL(nxos_kmemleak_alloc);
```

+##ifdef CONFIG_NXOS
+/* NXOS wrapper for GPL symbols */
+void __ref nxos_kmemleak_alloc(const void *ptr, size_t size, int min_count, gfp_t gfp)
+{
+    kmemleak_alloc(ptr, size, min_count, gfp);
+}
+EXPORT_SYMBOL_GPL(nxos_kmemleak_alloc);
+endif
+/**
* kmemleak_alloc_percpu - register a newly allocated __percpu object
* @ptr: __percpu pointer to beginning of the object
@@ -923,6 +933,15 @@ void __ref kmemleak_alloc_percpu(const void __percpu *ptr, size_t size)
EXHIBIT A

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*
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* Reference: Your favorite introductory book on algorithms
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The End

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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysginger <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.

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

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

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

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

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=20
eir=20
applications are also GPL-2 which imo is just wrong. it isn't the place of =20
library to dictact to application writes what license they should be using.=20
thus LGPL-2.1 enters to fill this void.
Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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

-- Nathan
=20

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec directly
> > and see if he wants to relicense his code as LGPL... but at this point,
> > it was enough to just get it consistent and documented as to what it was
> > 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 didnt 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 isnt the place of a library to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone’s
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

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

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

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

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

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. 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?
> > >
> > > 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 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 ESMTP id I91Gxptr020623
    for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
    by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
    for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: [82.68.43.14] (helo=[192.168.1.3])
    by rutherford.zen.co.uk with smtp (Exim 4.50)
    id 11cOcX-0004Qt-6L
    for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
    <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
    <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=floowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE86E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
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? :-)
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1.155 at 3.1.15

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

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AUTHOR: Michael J. McLennan
Bell Labs Innovations for Lucent Technologies
mmclennan@lucent.com
http://www.tcltk.com/stcl

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That's all there is to it!
!
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1.163 selinux 3.0

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1.165 libnfsidmap 0.25

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1.168 ciscosafec 3 3.0.1

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

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

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

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Sockets
-------

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:func:`getnameinfo`, which are coded in separate source files from the WIDE

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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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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

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(test_epoll

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

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

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

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

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<td>2.1.2</td>
<td>2002</td>
<td>PSF</td>
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<td>2001-now</td>
<td>PSF</td>
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 */

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#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifndef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

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

#define _COMPAT_POLL_H_
typedef unsigned int nfds_t;

#define POLLIN0x0001
#define POLLOUT0x0004
#define POLLERR0x0008
#define POLLHUP0x0010
#define POLLNVAL0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI0x0002
#define POLLRDNORM0x0040
#define POLLNORMPOLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND0x0080
#define POLLWRBAND0x0100
#endif

#define INFTIM(-1) /* not standard */

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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* @version 3.0 (December 2000)

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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

* @author Paulo Barreto <paulo.barreto@terra.com.br>

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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

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*/
#endif _BSD_WAITPID_H
#define _BSD_WAITPID_H

#define HAVE_WAITPID

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

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

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

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

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

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

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

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6. Conveying Non-Source Forms.

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

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

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

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

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

e) Convey the object code using peer-to-peer transmission, provided
you inform other peers where the object code and Corresponding
Source of the work are being offered to the general public at no
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A separable portion of the object code, whose source code is excluded
from the Corresponding Source as a System Library, need not be
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product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
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the only significant mode of use of the product.
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Version 2, June 1991

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

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or
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work containing portions of the Library, and distribute that work 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.)

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1.176 sysv-init 2.88

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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d) Convey the object code by offering access from a designated
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^L

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@var{one line to give the program's name and a brief idea of what it does.} Copyright (C) @var{yyyy}  @var{name of author}
@end var

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You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
@end smallexample

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

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

@end smallexample
Gnomovision version 69, Copyright (C) @var{yy} @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 smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show
the appropriate parts of the General Public License. Of course, the
commands you use may be called something other than @samp{show w} and
@samp{show c}; they could even be mouse-clicks or menu items---whatever
suits your program.

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

@end example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example

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consider it more useful to permit linking proprietary applications with the
library. If this is what you want to do, use the GNU Library General
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In other cases, permission to use a particular library in non-free
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<table>
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<th>item</th>
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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
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@item
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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.)
@end enumerate

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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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@item
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1.185 libcap 1.10 1
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1.188 gawk 4.1.1

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1.189 slang 2.2.4

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1.196 lrzsz 0.12.20

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/*
protname.c - return the name of the protocol used
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02111-1307, USA.

*/
#include "zglobal.h"

/* this code was duplicate in lrz.c and lsz.c */

const char *
protname(void)
{
  const char *prot_name;
  switch(protocol) {
    case ZM_XMODEM:
      prot_name="XMODEM";
      break;
    case ZM_YMODEM:
      prot_name="YMODEM";
      break;
    default:
      prot_name="ZMODEM";
      break;
  }
  return prot_name;
}

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[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
> > 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 didnt notice the license=
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=
library to dictact to application writes what license they should be using.=
thus LGPL-2.1 enters to fill this void.
=2Dmike

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

-- Nathan
=20
-----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:

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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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the original license (before moving to sourceforge -- aka, 2.7) was
not
GPL-2 ... it was a modified artistic license ... i didnt 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 isnt the
place of a
library to dictact to application writes what license they should
be using.
thus LGPL-2.1 enters to fill this void.

-mike

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

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

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

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

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

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

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

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

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. 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?
> > >
> > > 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 Frysinger <vapier@ge...> - 2008-10-25 22:34

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(6.0.3790.3959);
  Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
  by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
  by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 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, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
  by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 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: <1b1b3fd80710010908k11dac0afp1f2dd471059f9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
  <EC90713277D2BE41B7100CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
  <1b1b3fd80710010908k11dac0afp1f2dd471059f9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBEFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

>
>
> -------- Forwarded message --------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
> >
> > Any chance you could write me a self-contained email stating clearly
> > that the license is being changed to GPL, so I could include that
> > email
> > in the repository and clean up the repository/tarballs? I have all the

---
> original discussion, but something succinct and self contained
> would be
> ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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Version 2.1, February 1999

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^L

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

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Version 3, 29 June 2007

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

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1.203 python 2.5.1
1.203.1 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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Thanks to the many outside volunteers who have worked under Guido’s direction to make these releases possible.

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1.210 net-snmp 5.1.1

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1.217 grpc 0.12.0

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1.218 zlib 1.1.4

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

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   */

1.219 setserial 2.17

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#! /bin/sh

# Attempt to guess a canonical system name.
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timestamp='2012-08-14'

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# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that program.

# Originally written by Per Bothner. Please send patches (context
# diff format) to <config-patches@gnu.org> and include a ChangeLog
# entry.
#
# This script attempts to guess a canonical system name similar to
# config.sub. If it succeeds, it prints the system name on stdout, and
# exits with 0. Otherwise, it exits with 1.
#
# You can get the latest version of this script from:
# http://git.savannah.gnu.org/gitweb/?p=config.git;a=blob_plain;f=config.guess;hb=HEAD

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

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

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

Report bugs and patches to <config-patches@gnu.org>.

version="
GNU config.guess ($timestamp)

Originally written by Per Bothner.
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warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE."
help="Try \$me --help' for more information."

# Parse command line
while test $# -gt 0 ; do
  case $1 in
  --time-stamp | --time* | -t )
    echo "$timestamp" ; exit ;;
  --version | -v )
    echo "$version" ; exit ;;
  --help | --h* | -h )
    echo "$usage" ; exit ;;
  -- )     # Stop option processing
    shift; break ;;
  - )# Use stdin as input.
    break ;;
  -* )
    echo "$me: invalid option $1$help" >&2
    exit 1 ;;
* )
    break ;;
esac
done

if test $# != 0; then
  echo "$me: too many arguments$help" >&2
  exit 1
fi

trap 'exit 1' 1 2 15

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

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

# Portable tmp directory creation inspired by the Autoconf team.

set_cc_for_build='
trap "exitcode=$?; (rm -f $tmpfiles 2>/dev/null; rmdir $tmp 2>/dev/null) && exit $exitcode" 0 ;
trap "rm -f $tmpfiles 2>/dev/null; rmdir $tmp 2>/dev/null; exit 1 2 13 15 ;
  $(TMPDIR=tmp) ;
  [ tmp=(umask 077 && mktemp -d "$TMPDIR/cgXXXXXXX") 2>/dev/null' && test -n "$tmp" && test -d "$tmp" ; ] ||
  [ test -n "$RANDOM" && tmp=$TMPDIR/cg$RANDOM && (umask 077 && mkdir $tmp) ; ] ||
{ tmp=$TMPDIR/cg-$$ && (umask 077 && mkdir tmp) && echo "Warning: creating insecure temp directory" >&2 ; } ||
{ echo "$me: cannot create a temporary directory in $TMPDIR" >&2 ; exit 1 ; }

dummy=tmp/dummy ;
tmpfiles="$dummy.c $dummy.o $dummy.rel $dummy" ;
case $CC_FOR_BUILD,$HOST_CC,$CC in
,,)    echo "int x;" > $dummy.c ;
for c in cc gcc c89 c99 ; do
  if ($c -c -o $dummy.o $dummy.c) >/dev/null 2>&1 ; then
    CC_FOR_BUILD="$c"; break ;
  fi ;
done ;
if test x"CC_FOR_BUILD" = x ; then
  CC_FOR_BUILD=no_compiler_found ;
fi
;,
."*)  CC_FOR_BUILD=$CC ;
."/*)  CC_FOR_BUILD=$HOST_CC ;
 esac ; set_cc_for_build=

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

UNAME_MACHINE=`(uname -m) 2>/dev/null` || UNAME_MACHINE=unknown
UNAME_RELEASE=`(uname -r) 2>/dev/null` || UNAME_RELEASE=unknown
UNAME_SYSTEM=`(uname -s) 2>/dev/null` || UNAME_SYSTEM=unknown
UNAME_VERSION=`(uname -v) 2>/dev/null` || UNAME_VERSION=unknown

# Detect uclibc systems.

LIBC="gnu"
if [ -f /usr/include/bits/uClibc_config.h ]
then
  LIBC=uclibc
if [ -n `grep "#define __UCLIBC_CONFIG_VERSION__" /usr/include/bits/uClibc_config.h` ]
then
  UCLIBC_SUBVER=`sed -n "/#define __UCLIBC_CONFIG_VERSION__ /s///p" /usr/include/bits/uClibc_config.h`
  LIBC=$LIBCUSCLIBC_SUBVER
fi
fi

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

case "${UNAME_MACHINE}:${UNAME_SYSTEM}:${UNAME_RELEASE}:${UNAME_VERSION}" in
  *:NetBSD:*:*)
# NetBSD (nbsd) targets should (where applicable) match one or
# more of the tuples: *-*-netbsdelf*, *-*-netbsd*.
# *-*-netbsddeco* and *-*-netbsd*. For targets that recently
# switched to ELF, *-*-netbsd* would select the old
# object file format. This provides both forward
# compatibility and a consistent mechanism for selecting the
# object file format.
#
# # Note: NetBSD doesn't particularly care about the vendor
# portion of the name. We always set it to "unknown".
sysctl="sysctl -n hw.machine_arch"
UNAME_MACHINE_ARCH="((/sbin/$sysctl 2>/dev/null ||
/usr/sbin/$sysctl 2>/dev/null || echo unknown)"
case "${UNAME_MACHINE_ARCH}" in
  armeb) machine=armeb-unknown ::
  arm*) machine=arm-unknown ::
  sh3el) machine=shl-unknown ::
  sh3eb) machine=sh-unknown ::
  sh5el) machine=sh5le-unknown ::
  *) machine=${UNAME_MACHINE_ARCH}-unknown ::
esac
# The Operating System including object format, if it has switched
# to ELF recently, or will in the future.
case "${UNAME_MACHINE_ARCH}" in
  arm*|i386|m68k|ns32k|sh3*|sparc|vax)
  eval $set_cc_for_build
  if echo __ELF__ | $CC_FOR_BUILD -E - 2>/dev/null |
  grep -q __ELF__
  then
    # Once all utilities can be ECOFF (netbsdecoff) or a.out (netbsdaut).
    # Return netbsd for either. FIX?
    os=netbsd
  else
    os=netbsdelf
  fi
  ;;
  *)
  os=netbsd
;;
esac
# The OS release
# Debian GNU/NetBSD machines have a different userland, and
# thus, need a distinct triplet. However, they do not need
# kernel version information, so it can be replaced with a
# suitable tag, in the style of linux-gnu.
case "${UNAME_VERSION}" in
  Debian*)
  release=-gnu"
release=`echo ${UNAME_RELEASE}|sed -e 's/[-_.]*//g'`

esac

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

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

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

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

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

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

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

# According to Compaq, /usr/sbin/psrinfo has been available on
# OSF/1 and Tru64 systems produced since 1995. I hope that
# covers most systems running today. This code pipes the CPU
# types through head -n 1, so we only detect the type of CPU 0.
ALPHA_CPU_TYPE="/usr/sbin/psrinfo -v | sed -n -e 's/^ The alpha \(.*\) processor.*/\1/p' | head -n 1" case "$ALPHA_CPU_TYPE" in
  "EV4 (21064)"
    UNAME_MACHINE="alpha" ;;
  "EV4.5 (21064)"
  esac
UNAME_MACHINE="alpha" ;;
    "LCA4 (21066/21068)"
UNAME_MACHINE="alpha" ;;
    "EV5 (21164)"
UNAME_MACHINE="alphaev5" ;;
    "EV5.6 (21164A)"
UNAME_MACHINE="alphaev56" ;;
    "EV5.6 (21164PC)"
UNAME_MACHINE="alphapca56" ;;
    "EV5.7 (21164PC)"
UNAME_MACHINE="alphapca57" ;;
    "EV6 (21264)"
UNAME_MACHINE="alphaev6" ;;
    "EV6.7 (21264A)"
UNAME_MACHINE="alphaev67" ;;
    "EV6.8CB (21264C)"
UNAME_MACHINE="alphaev68" ;;
    "EV6.8AL (21264B)"
UNAME_MACHINE="alphaev68" ;;
    "EV6.8CX (21264D)"
UNAME_MACHINE="alphaev68" ;;
    "EV6.9A (21264/EV69A)"
UNAME_MACHINE="alphaev69" ;;
    "EV7 (21364)"
UNAME_MACHINE="alphaev7" ;;
    "EV7.9 (21364A)"
UNAME_MACHINE="alphaev79" ;;
esac
# A Pn.n version is a patched version.
# A Vn.n version is a released version.
# A Tn.n version is a released field test version.
# A Xn.n version is an unreleased experimental baselevel.
# 1.2 uses "1.2" for uname -r.
    echo ${UNAME_MACHINE}-dec-osf echo ${UNAME_RELEASE} | sed -e 's/^[PVTX]// | tr
    'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz'`
# Reset EXIT trap before exiting to avoid spurious non-zero exit code.
    exitcode=$?
    trap "" 0
    exit $exitcode ;;
Alpha\ *:Windows_NT*:*)
    # How do we know it's Interix rather than the generic POSIX subsystem?
    # Should we change UNAME_MACHINE based on the output of uname instead
    # of the specific Alpha model?
    echo alpha-pc-interix
    exit ;;
    21064:Windows_NT:50:3)
    echo alpha-dec-winnt3.5
    exit ;;
Amiga*:UNIX_System_V:4.0:*)
echo m68k-unknown-sysv4
exit ;;
*:[:Aa]miga[Oo][Ss]:*:*
echo $[UNAME_MACHINE]-unknown-amigaos
exit ;;
*:[:Mm]orph[Oo][Ss]:*:*
echo $[UNAME_MACHINE]-unknown-morphos
exit ;;
*:OS/390:*:*
echo i370-ibm-openedition
exit ;;
*:z/VM:*:*
echo s390-ibm-zvmoe
exit ;;
*:OS400:*:*
echo powerpc-ibm-os400
exit ;;
  arm:RISC*:1.[012]*:|[arm:riscix:1.[012]#:*)
echo arm-acorn-riscix$[UNAME_RELEASE]
exite ;;
  arm:riscos:*:|[arm:RISCOS:*:*)
echo arm-unknown-riscos
exit ;;
SR2?01:HI-UX/MPP:*:* | SR8000:HI-UX/MPP:*:*)
echo hppa1.1-hitachi-hiuxmpp
exit ;;
  Pyramid*:OS*:*: | MIS*:OSx*:*: | MIS*:SMP_Dc-OSx*:*:*)
# akee@wpdis03.wpafb.af.mil (Earle F. Ake) contributed MIS and NILE.
if test "'/bin/universe' 2>/dev/null" = att ; then
echo pyramid-pyramid-sysv3
else
echo pyramid-pyramid-bsd
fi
exit ;;
  NILE*:*:*:|dcosx)
echo pyramid-pyramid-svr4
exit ;;
  DRS?6000:unix:4.0:6*)
echo sparc-icl-nx6
exit ;;
case `/usr/bin/uname -p` in
  sparc) echo sparc-icl-nx7; exit ;;
esac ;;
s390x:SunOS:*

  echo $[UNAME_MACHINE]-ibm-solaris2'echo $[UNAME_RELEASE]|sed -e 's/[^.]*//'
exit ;;
sun4H:SunOS:5.*:*)
echo sparc-hal-solaris2 echo ${UNAME_RELEASE}|sed -e 's/[\^.]*//r'
exit ;

sun4*:SunOS:5.*:* | tadpole*:SunOS:5.*:*)
echo sparc-sun-solaris2 echo ${UNAME_RELEASE}|sed -e 's/[\^.]*//r'
exit ;
i86pc:AuroraUX:5.*:* | i86xen:AuroraUX:5.*:*)
echo i386-pc-auroraux$ [UNAME_RELEASE]
exits;
i86pc:SunOS:5.*:* | i86xen:SunOS:5.*:*)
eval $set_cc_for_build
SUN_ARCH="i386"

# If there is a compiler, see if it is configured for 64-bit objects.
# Note that the Sun cc does not turn __LP64__ into 1 like gcc does.
# This test works for both compilers.
if [ "$CC_FOR_BUILD" != 'no_compiler_found' ]; then
  if (echo '#ifdef __amd64'; echo IS_64BIT_ARCH; echo '#endif') | 
    (CCOPTS=$CC_FOR_BUILD -E - 2>/dev/null) | 
    grep IS_64BIT_ARCH >/dev/null
  then
    SUN_ARCH="x86_64"
  fi
fi

echo ${SUN_ARCH}-pc-solaris2`echo ${UNAME_RELEASE}|sed -e 's/[\^.]*//r`
exit ;
sun4*:SunOS:6.*:*)

# According to config.sub, this is the proper way to canonicalize
# SunOS6. Hard to guess exactly what SunOS6 will be like, but
# it's likely to be more like Solaris than SunOS4.
echo sparc-sun-solaris3 echo ${UNAME_RELEASE}|sed -e 's/[\^.]*//r'
exit ;
sun4*:SunOS:*:*)
case ""/usr/bin/arch -k"" in
  Series*S4*)
  UNAME_RELEASE="uname -v"
  ;;
esac

# Japanese Language versions have a version number like '4.1.3-JL'.
echo sparc-sun-sunos echo ${UNAME_RELEASE}|sed -e 's/[\^.]*//r'
exit ;
sun3*:SunOS:*:*)
echo m68k-sun-sunos$ [UNAME_RELEASE]
exits;
sun*:*:4.2BSD:*)
UNAME_RELEASE=('sed lq /etc/motd | awk '{print substr($5,1,3)}') 2>/dev/null`
test "x$[UNAME_RELEASE]" = "x" && UNAME_RELEASE=3
case ""/bin/arch"" in
  sun3)
echo m68k-sun-sunos$[UNAME_RELEASE]
;
    sun4)
echo sparc-sun-sunos$[UNAMERELEASE]
;
    esac
exit ;;
    aushp:$UNOS;*:*)
echo sparc-auspex-sunos$[UNAME_RELEASE]
exit ;;
    # The situation for MiNT is a little confusing. The machine name
    # can be virtually everything (everything which is not
    # "atarist" or "atariste" at least should have a processor
    # > m68000). The system name ranges from "MiNT" over "FreeMiNT"
    # to the lowercase version "mint" (or "freemint"). Finally
    # the system name "TOS" denotes a system which is actually not
    # MiNT. But MiNT is downward compatible to TOS, so this should
    # be no problem.
atarist[e]:*MiNT;*:* [ atarist[e]:*mint;*:* [ atarist[e]:*TOS;*:*)
echo m68k-atari-mint$[UNAME_RELEASE]
exi **
atarist[e]:*MiNT;*:* [ atarist[e]:*mint;*:* [ atarist[e]:*TOS;*:*)
echo m68k-atari-mint$[UNAME_RELEASE]
exi **
falcon*:*MiNT;*:* [ falcon*:*mint;*:* [ falcon*:*TOS;*:*)
echo m68k-atari-mint$[UNAME_RELEASE]
exi **
    milan*:*MiNT;*:* [ milan*:*mint;*:* [ milan*:*TOS;*:*)
echo m68k-milan-mint$[UNAME_RELEASE]
exi **
    hades*:*MiNT;*:* [ hades*:*mint;*:* [ hades*:*TOS;*:*)
echo m68k-hades-mint$[UNAME_RELEASE]
exi **
    *.MiNT;*:* [ *.mint;*:* [ *.TOS;*:*)
echo m68k-unknown-mint$[UNAME_RELEASE]
exi **
    m68k:machten;*:*)
echo m68k-apple-machten$[UNAME_RELEASE]
exi **
    powerpc:machten;*:*)
echo powerpc-apple-machten$[UNAME_RELEASE]
exi **
    RISC*:Mach;*:*)
echo mips-dec-mach_bsd4.3
exi **
    RISC*:ULTRIX;*:*)
echo mips-dec-ultrix$[UNAME_RELEASE]
exi **
VAX*:ULTRIX*:*)

```
echo vax-dec-ultrix${UNAME_RELEASE}
exit ;;

2020:CLIX*:*: | 2430:CLIX*:*:*)
```

```
echo clipper-intergraph-clipx${UNAME_RELEASE}
exit ;;
```

```
mips*:*:UMIPS | mips*:*:RISCos)
```

```
eval $set_cc_for_build
```

```
sed 's/^\t//'< EOF >$dummy.c
```

```
#ifdef __cplusplus
#include <stdio.h> /* for printf() prototype */
```

```
main (int argc, char *argv[])
```

```
#elif defined (host_mips) && defined (MIPSEB)
```

```
#elif defined (SYSTYPE_SYSV)
```

```
printf ("mips-mips-riscos%ssysv\n", argv[1]); exit (0);
```

```
#elif defined (SYSTYPE_SVR4)
```

```
printf ("mips-mips-riscos%ssvr4\n", argv[1]); exit (0);
```

```
#elif defined (SYSTYPE_BSD43) || defined(SYSTYPE_BSD)
```

```
printf ("mips-mips-riscos%ssbsd\n", argv[1]); exit (0);
```

```
#endif
```

```
echo mips-mips-riscos${UNAME_RELEASE}
exit ;;
```

```
Motorola:PowerMAX_OS:*:*)
```

```
echo powerpc-motorola-powermax
```

```
Motorola:*:4.3:PL8:*)
```

```
echo powerpc-harris-powermax
```

```
Night_Hawk:*:*:PowerMAX_OS | Synergy:PowerMAX_OS:*:*)
```

```
echo powerpc-harris-powermax
```

```
Night_Hawk:Power_UNIX:*:*)
```

```
echo powerpc-harris-powerunix
```

```
M88k:CX/UX:7:*:*)
```

```
SCC_FOR_BUILD -o $dummy $dummy.c &&
    dummyarg=`echo "$[UNAME_RELEASE]" | sed -n 's/\([0-9]*\).*\(//&&
    SYSTEM_NAME="$dummy $dummyarg" &&
```

```
    echo "$SYSTEM_NAME"; exit; }
```

```
echo mips-mips-riscos${UNAME_RELEASE}
```

exit ;;

```
Motorola:PowerMAX_OS:*:*)
```

```
echo powerpc-motorola-powermax
```

exit ;;

```
Motorola:*:4.3:PL8:*)
```

```
echo powerpc-harris-powermax
```

exit ;;

```
Night_Hawk:*:*:PowerMAX_OS | Synergy:PowerMAX_OS:*:*)
```

```
echo powerpc-harris-powermax
```

exit ;;

```
Night_Hawk:Power_UNIX:*:*)
```

```
echo powerpc-harris-powerunix
```

exit ;;

```
m88k:CX/UX:7:*:*)
```

```
echo m88k-harris-cxux7
exit ::
  m88k:*:4*:R4*)
echo m88k-motorola-sysv4
exit ::
  m88k:*:3*:R3*)
echo m88k-motorola-sysv3
exit ::
  AViiON:dgux:*:*)
# DG/UX returns AViiON for all architectures
UNAME_PROCESSOR=`/usr/bin/uname -p`
if [ $UNAME_PROCESSOR = mc88100 ] || [ $UNAME_PROCESSOR = mc88110 ]
then
  if [ ${TARGET_BINARY_INTERFACE}x = m88kdguxelfx ] ||
    [ ${TARGET_BINARY_INTERFACE}x = x ]
  then
    echo m88k-dg-dgux$UNAME_RELEASE
  else
    echo m88k-dg-dguxbcs$UNAME_RELEASE
  fi
else
  echo i586-dg-dgux$UNAME_RELEASE
fi
exit ::
M88*:DolphinOS:*:*)  # DolphinOS (SVR3)
echo m88k-dolphin-sysv3
exit ::
M88*::*:R3*:*)
# Delta 88k system running SVR3
echo m88k-motorola-sysv3
exit ::
XD88*:*:*:*)  # Tektronix XD88 system running UTekV (SVR3)
echo m88k-tektronix-sysv3
exit ::
Tek43[0-9][0-9]:*:*)  # Tektronix 4300 system running UTek (BSD)
echo m68k-tektronix-bsd
exit ::
*:IRIX*:*:*)
echo mips-sgi-irix `echo ${UNAME_RELEASE}|sed -e 's/-/_/g'`
exit ::
????????:AIX?:[12].1:2)  # AIX 2.2.1 or AIX 2.1.1 is RT/PC AIX.
echo romp-ibm-aix  # uname -m gives an 8 hex-code CPU id
exit ::  # Note that: echo ""uname -s"" gives 'AIX '
i*86:AIX*:*:*)
echo i386-ibm-aix
exit ::
ia64:AIX*:*:*)
if [-x /usr/bin/oslevel ] ; then
IBM_REV="/usr/bin/oslevel"
else
IBM_REV=${UNAME_VERSION}.${UNAME_RELEASE}
fi
echo ${UNAME_MACHINE}-ibm-aix${IBM_REV}
exit ;;
*:AIX:2:3)
if grep bos325 /usr/include/stdio.h >/dev/null 2>&1; then
eval $set_cc_for_build
sed 's/^/ < < EOF>$dummy.c
#include <sys/systemcfg.h>

main()
{
if (!__power_pc())
exit(1);
puts("powerpc-ibm-aix3.2.5");
exit(0);
}
EOF
if SCC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME="$dummy"
then
echo "$SYSTEM_NAME"
else
echo rs6000-ibm-aix3.2.5
fi
elif grep bos324 /usr/include/stdio.h >/dev/null 2>&1; then
echo rs6000-ibm-aix3.2.4
else
echo rs6000-ibm-aix3.2
fi
exit ;;
*:AIX:*:[4567])
IBM_CPU_ID="/sbin/lsdev -C -c processor -S available | sed 1q | awk '{ print $1 }"'
if /sbin/lsattr -El $IBM_CPU_ID | grep 'POWER' >/dev/null 2>&1; then
IBM_ARCH=rs6000
else
IBM_ARCH=powerpc
fi
if [-x /usr/bin/oslevel ] ; then
IBM_REV="/usr/bin/oslevel"
else
IBM_REV=${UNAME_VERSION}.${UNAME_RELEASE}
fi
echo ${IBM_ARCH}-ibm-aix${IBM_REV}
exit ::
*:AIX::*:*)
echo rs6000-ibm-aix
exit ;;
ibmrt:4.4BSD:*|romp-ibm:BSD:*)
echo romp-ibm-bsd4.4
exit ;;
ibmrt:*BSD:*|romp-ibm:BSD:*)
# covers RT/PC BSD and
echo romp-ibm-bsd$(UNAME_RELEASE)  # 4.3 with uname added to
exit ;;  # report: romp-ibm BSD 4.3
*:BOSX:*;*
exit echo rs6000-bull-bosx
exit ;;
DPX/2?00:B.O.S.:::*
echo m68k-bull-sysv3
exit ;;
9000/[34][3478]:4.3bsd:1.::*
exit echo m68k-hp-bsd
exit ;;
hp300:4.4BSD:*:* | 9000/[34][]:4.3bsd:2.*;*
exit echo m68k-hp-bsd4.4
exit ;;
9000/[34678][34]:HP-UX:*;*
HPUX_REV=`echo ${UNAME_RELEASE}|sed -e 's/[^.]*.[0B]*/\n" case "$\{UNAME_MACHINE\}" in
9000/31? ) HP_ARCH=m68000 ;;
9000/[34][3478] ) HP_ARCH=m68k ;;
9000/[678][0-9][0-9])
if [ -x /usr/bin/getconf ] ; then
sc_cpu_version="/usr/bin/getconf SC_CPU_VERSION 2>/dev/null"
sc_kernel_bits="/usr/bin/getconf SC_KERNEL_BITS 2>/dev/null"
case "$\{sc_cpu_version\}" in
523) HP_ARCH="hppa1.0" ;; # CPU_PA_RISC1_0
528) HP_ARCH="hppa1.1" ;; # CPU_PA_RISC1_1
532) # CPU_PA_RISC2_0
" case "$\{sc_kernel_bits\}" in
32) HP_ARCH="hppa2.0n" ;;
64) HP_ARCH="hppa2.0w" ;;
") HP_ARCH="hppa2.0" ;; # HP-UX 10.20
esac ;;
esac
fi
if [ "$\{HP_ARCH\}" = "" ]; then
eval $set_cc_for_build
sed 's/^/<< EOF >$dummy.c
#define _HPUX_SOURCE
#include <stdlib.h>
#include <unistd.h>

int main ()
long bits = sysconf(_SC_KERNEL_BITS);
#endif

long cpu = sysconf(_SC_CPU_VERSION);

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

(CCOPTS= $CC_FOR_BUILD -o $dummy $dummy.c 2>/dev/null) && HP_ARCH=`$dummy`
test -z "$HP_ARCH" && HP_ARCH=hppa
fi ;;
esac
if [ ${HP_ARCH} = "hppa2.0w" ]
then
eval $set_cc_for_build

# hppa2.0w-hpux* has a 64-bit kernel and a compiler generating
# 32-bit code. hppa64-hpux* has the same kernel and a compiler
# generating 64-bit code. GNU and HP use different nomenclature:
#
# $ CC_FOR_BUILD=cc ./config.guess
# => hppa2.0w-hpux11.23
# $ CC_FOR_BUILD="cc +DA2.0w" ./config.guess
# => hppa64-hpux11.23

    if echo __LP64__ | (CCOPTS= $CC_FOR_BUILD -E - 2>/dev/null) |
grep -q __LP64__
    then
        HP_ARCH="hppa2.0w"
    else
HP_ARCH="hppa64"
fi
fi
echo ${HP_ARCH}-hp-hpux${HPUX_REV}
exit ::
    ia64:HP-UX::*)
HPUX_REV=`echo ${UNAME_RELEASE}|sed -e 's/[^.]*\.[^B]*//'`
echo ia64-hp-hpux${HPUX_REV}
exit ::;
    3050*:HI-UX::*:*)
eval $set_cc_for_build
sed 's/\t//' << EOF >$dummy.c
#include <unistd.h>
int
main ()
{
    long cpu = sysconf (_SC_CPU_VERSION);
    /* The order matters, because CPU_IS_HP_MC68K erroneously returns
        true for CPU_PA_RISC1_0. CPU_IS_PA_RISC returns correct
        results, however. */
    if (CPU_IS_PA_RISC (cpu))
    {
        switch (cpu)
        {
            case CPU_PA_RISC1_0: puts("hppa1.0-hitachi-hiuxwe2"); break;
            case CPU_PA_RISC1_1: puts("hppa1.1-hitachi-hiuxwe2"); break;
            case CPU_PA_RISC2_0: puts("hppa2.0-hitachi-hiuxwe2"); break;
            default: puts("hppa-hitachi-hiuxwe2"); break;
        }
    }
    else if (CPU_IS_HP_MC68K (cpu))
        puts("m68k-hitachi-hiuxwe2");
    else puts("unknown-hitachi-hiuxwe2");
    exit (0);
}
EOF
SCC_FOR_BUILD -o $dummy $dummy.c && SYSTEM_NAME=`$dummy` &&
{ echo "$SYSTEM_NAME"; exit; } echo unknown-hitachi-hiuxwe2
exit ::
    9000/7???:4.3bsd:::* | 9000/8?[79]:4.3bsd:::* )
echo hppa1.1-hp-bsd
exit ::
    9000/8???:4.3bsd:::*)
echo hppa1.0-hp-bsd
exit ::
    *9???:MPE/iX::*: | *3000*:MPE/iX::*:*)
echo hppa1.0-hp-mpeix
exit ;;
  hp7??:OSF1:*:* | hp8?[79]:OSF1:*:* )
echo hppa1.1-hp-osf
exit ;;
  hp8??:OSF1:*:*)
echo hppa1.0-hp-osf
exit ;;
i*86:OSF1:*:*)
if [-x /usr/sbin/sysversion ] ; then
  echo ${UNAME_MACHINE}-unknown-osf1mk
else
  echo ${UNAME_MACHINE}-unknown-osf1
fi
exit ;;
  parisc*:Lites*:*:*)
echo hppa1.1-hp-lites
exit ;;
  C1*:ConvexOS:*:* | convex:ConvexOS:C1*:*)
echo c1-convex-bsd
exit ;;
  C2*:ConvexOS:*:* | convex:ConvexOS:C2*:*)
if getsysinfo -f scalar_acc
  then echo c32-convex-bsd
else echo c2-convex-bsd
fi
exit ;;
  C34*:ConvexOS:*:* | convex:ConvexOS:C34*:*)
echo c34-convex-bsd
exit ;;
  C38*:ConvexOS:*:* | convex:ConvexOS:C38*:*)
echo c38-convex-bsd
exit ;;
  C4*:ConvexOS:*:* | convex:ConvexOS:C4*:*)
echo c4-convex-bsd
exit ;;
  CRAY*Y-MP:*:*:*)
echo ymp-cray-unicos$[UNAME_RELEASE] | sed -e 's/\^[\^.]*/$X/'
exit ;;
  CRAY*[A-Z]90:*:*:*)
echo $[UNAME_MACHINE]-cray-unicos$[UNAME_RELEASE] \n| sed -e 's/CRAY.*/([A-Z]90)/\1/ \n  -e y/ABCDEFGHIJKLMNOPQRSTUVWXYZ/abcdefghijklmnopqrstuvwxyz/ \n  -e 's/\^[\^.]*/$X/'
exit ;;
  CRAY*TS:.*:.*:*)
echo t90-cray-unicos$[UNAME_RELEASE] | sed -e 's/\^[\^.]*/$X/'
exit ;;
  CRAY*T3E:.*:.*:*)
echo alphaev5-cray-unicosmk${UNAME_RELEASE} | sed -e 's/^[^.]*/\[X/exit ::
    CRAY*SV1:*:*:*
echo sv1-cray-unicos${UNAME_RELEASE} | sed -e 's/^[^.]*/\[X/
exit ::
    *:UNICOS/mp:*:*
echo craynv-cray-unicosmp${UNAME_RELEASE} | sed -e 's/^[^.]*/\[X/
exit ::
    F30[01]:UNIX_System_V:*:* | F700:UNIX_System_V:*:*
FUJITSU_PROC=`uname -m | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz'
FUJITSU_SYS=`uname -p | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e 's/\///'
FUJITSU_REL=`echo ${UNAME_RELEASE} | sed -e 's/ /_/'
exit ::
    5000:UNIX_System_V:4.*:*
FUJITSU_SYS=`uname -p | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e 's/\///'
FUJITSU_REL=`echo ${UNAME_RELEASE} | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e 's/ /_/'
echo "$\{FUJITSU_PROC\}-fujitsu-$\{FUJITSU_SYS\}$\{FUJITSU_REL\}"
exit ::
    5000:UNIX_System_V:4.*:*
FUJITSU_SYS=`uname -p | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e 's/\///'
FUJITSU_REL=`echo ${UNAME_RELEASE} | tr 'ABCDEFGHIJKLMNOPQRSTUVWXYZ' 'abcdefghijklmnopqrstuvwxyz' | sed -e 's/ /_/'
echo "sparc-fujitsu-$\{FUJITSU_SYS\}$\{FUJITSU_REL\}"
echo "$\{UNAME_MACHINE\}-pc-bsdi$\{UNAME_RELEASE\}"
exit ::
    *:MINGW64*:*
echo $\{UNAME_MACHINE\}-unknown-bsdi$\{UNAME_RELEASE\}
exit ::
    *:MINGW*:*
echo $\{UNAME_MACHINE\}-pc-mingw$
exit ::
    *:MINGW*:*
echo $\{UNAME_MACHINE\}-pc-mingw$
exit ;;
i*:MSYS*:*)
  echo ${UNAME_MACHINE}-pc-msys
exit ;;
i*:windows32*:*)
  # uname -m includes "-pc" on this system.
echo ${UNAME_MACHINE}-mingw32
exit ;;
i*:PW*:*)
  echo ${UNAME_MACHINE}-pc-pw32
exit ;;
*:Interix*:*)
  case ${UNAME_MACHINE} in
    x86)
      echo i586-pc-interix${UNAME_RELEASE}
      exit ;;
      authenticamd | genuineintel | EM64T)
      echo x86_64-unknown-interix${UNAME_RELEASE}
      exit ;;
      IA64)
      echo ia64-unknown-interix${UNAME_RELEASE}
      exit ;;
      esac ;;
      echo i${UNAME_MACHINE}-pc-mks
      exit ;;
    8664:Windows_NT:*)
      echo x86_64-pc-mks
      exit ;;
    i*:Windows_NT*:| Pentium*:Windows_NT*:*)
      # How do we know it's Interix rather than the generic POSIX subsystem?
      # It also conflicts with pre-2.0 versions of AT&T UWIN. Should we
      # UNAME_MACHINE based on the output of uname instead of i386?
      echo i586-pc-interix
      exit ;;
    i*:UWIN*:*)
      echo ${UNAME_MACHINE}-pc-uwin
      exit ;;
    amd64:CYGWIN*:| x86_64:CYGWIN*:*)
      echo x86_64-unknown-cygwin
      exit ;;
p*:CYGWIN*:*)
      echo powerpcle-unknown-cygwin
      exit ;;
    prep*:SunOS:5.:*)
      echo powerpcle-unknown-solaris2`echo ${UNAME_RELEASE}|sed -e \'s/\^[^\n]//\'`
      exit ;;
    #:GNU:*:*)
# the GNU system

echo `echo ${UNAME_MACHINE}|sed -e 's,.*/,.,'`-unknown-gnu`echo ${UNAME_RELEASE}|sed -e 's,.*/,.,'`-gnu
exit ;;
*:GNU/*:::*

# other systems with GNU libc and userland

echo ${UNAME_MACHINE}-unknown-`echo ${UNAME_SYSTEM} | sed 's,^[^/]*,,' `echo ${UNAME_RELEASE}|sed -e 's,/.*$//,'`-gnu
exit ;;
i*86:Minix:::*
echo ${UNAME_MACHINE}-pc-minix
exit ;;
aarch64:Linux:::*
echo ${UNAME_MACHINE}-unknown-linux-gnu
exit ;;
aarch64_be:Linux:::*

UNAME_MACHINE=aarch64_be

echo ${UNAME_MACHINE}-unknown-linux-gnu
exit ;;
alpha:Linux:::*

case `sed -n '/^cpu model/s/^.*: \([^/]+\)/\1/p' < /proc/cpuinfo` in
EV5) UNAME_MACHINE=alphaev5 ;;
EV56) UNAME_MACHINE=alphaev56 ;;
PCA56) UNAME_MACHINE=alphapca56 ;;
PCA57) UNAME_MACHINE=alphapca56 ;;
EV6) UNAME_MACHINE=alphaev6 ;;
EV67) UNAME_MACHINE=alphaev67 ;;
EV68*) UNAME_MACHINE=alphaev68 ;;

esac

objdump --private-headers /bin/sh | grep -q ld.so.1
if test "$?" = 0 ; then LIBC="gnulibc" ; else LIBC="" ; fi

echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
arm*:Linux:::*

eval $set_cc_for_build
if echo __ARM_EABI__ | $CC_FOR_BUILD -E - 2>/dev/null |
| grep -q __ARM_EABI__
then

echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
else
  if echo __ARM_PCS_VFP | $CC_FOR_BUILD -E - 2>/dev/null |
  | grep -q __ARM_PCS_VFP
  then

  echo ${UNAME_MACHINE}-unknown-linux-gnueabi
  else
    echo ${UNAME_MACHINE}-unknown-linux-gnueabihf
    fi
  fi
fi
exit ;;
avr32*:Linux::*
echo ${UNAME_MACHINE}-unknown-linux-${LIBC}
exit ;;
cris:Linux::*
iper $UNAME_MACHINE-axis-linux-${LIBC}
exi

cri32:Linux::*
iper $UNAME_MACHINE-axis-linux-${LIBC}
exi

drv:Linux::*
iper $UNAME_MACHINE-unknown-linux-${LIBC}
exi

frv:Linux::*
iper $UNAME_MACHINE-unknown-linux-${LIBC}
exi

i*86:Linux::*
LIBC=gnu
eval $set_cc_for_build
ed 's/\$/\$dummy.c
#ifdef __diet libc__
LIBC=diet libc
#define __diet libc__
LIBC=diet libc
#define __diet libc__
#define __diet libc__
if defined(__MIPSEL__) || defined(__MIPSEL) || defined(_MIPSEL) || defined(MIPSEL)
CPU=${UNAME_MACHINE}el
#else
CPU=${UNAME_MACHINE}el
#endif
if defined(__MIPSEL__) || defined(__MIPSEL) || defined(_MIPSEL) || defined(MIPSEL)
CPU=${UNAME_MACHINE}el
#else
CPU=${UNAME_MACHINE}el
#endif
CPU=
echo ${UNAME_MACHINE}-unknown-linux-$LINC
exit ::
  xtensa*:Linux:*:*)

echo ${UNAME_MACHINE}-unknown-linux-$LINC
exit ::
i*86:DYNIX/ptx:4*:*)
  # ptx 4.0 does uname -s correctly, with DYNIX/ptx in there.
  # earlier versions are messed up and put the nodename in both
  # sysname and nodename.

echo i386-sequent-sysv4
exit ::
i*86:UNIX_SV:4.2MP:2.*)
  # Unixware is an offshoot of SVR4, but it has its own version
  # number series starting with 2...
  # I am not positive that other SVR4 systems won't match this,
  # I just have to hope. -- rms.
  # Use sysv4.2uw... so that sysv4* matches it.

echo ${UNAME_MACHINE}-pc-sysv4.2uw${UNAME_VERSION}
exit ::
i*86:OS/2:*:*)
  # If we were able to find `uname', then EMX Unix compatibility
  # is probably installed.

echo ${UNAME_MACHINE}-pc-os2-emx
exit ::
i*86:XTS-300:*:STOP)

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

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

echo ${UNAME_MACHINE}-pc-syllable
exit ::
i*86:LynxOS:2.*:*) | i*86:LynxOS:3.[01]*:*) | i*86:LynxOS:4.[02]*:*)

echo i386-unknown-lynxos${UNAME_RELEASE}
exit ::
i*86:*DOS:*:*)

echo ${UNAME_MACHINE}-pc-msdosdjgpp
exit ::
i*86:*:4.*:*) | i*86:SYSTEM_V:4:*:*)

UNAME_REL=`echo ${UNAME_RELEASE} | sed 's/\MP$//'`
if grep Novell /usr/include/link.h >/dev/null 2>/dev/null; then
  echo ${UNAME_MACHINE}-univel-sysv${UNAME_REL}
else
echo ${UNAME_MACHINE}-pc-sysv${UNAME_REL}
fi
exit ::
i*86:*:5:*:678]*)
# UnixWare 7.x, OpenUNIX and OpenServer 6.
case `'/bin/uname -X | grep "^Machine"' in
  *486*)  UNAME_MACHINE=i486 ;;
  *Pentium) UNAME_MACHINE=i586 ;;
  *Pent*|*Celeron) UNAME_MACHINE=i686 ;;
esac
echo ${UNAME_MACHINE}-unknown-
sysv${UNAME_RELEASE}${UNAME_SYSTEM}${UNAME_VERSION}
exit ;;
  i*86::*:3.2:*)
if test -f /usr/options/cb.name; then
  UNAME_REL=`sed -n 's/.*Version //p' </usr/options/cb.name`
echo ${UNAME_MACHINE}-pc-isc$UNAME_REL
elif /bin/uname -X 2>/dev/null >/dev/null ; then
  UNAME_REL=`(/bin/uname -X|grep Release|sed -e 's/.*= //')` (/bin/uname -X|grep i80486 >/dev/null) && UNAME_MACHINE=i486 (/bin/uname -X|grep '^Machine.*Pentium' >/dev/null) &&
  UNAME_MACHINE=i686 (/bin/uname -X|grep '^Machine.*Pentium Pro' >/dev/null) &&
  UNAME_MACHINE=i686 echo ${UNAME_MACHINE}-pc-sco$UNAME_REL
else
  echo ${UNAME_MACHINE}-pc-sysv32
fi
else
  echo i586-pc-msdosdjgpp
fi
exit ;;
  pc:*::*:*)
# Left here for compatibility:
# uname -m prints for DJGPP always 'pc', but it prints nothing about
# the processor, so we play safe by assuming i586.
# Note: whatever this is, it MUST be the same as what config.sub
# prints for the "djgpp" host, or else GDB configury will decide that
# this is a cross-build.
echo i586-pc-msdosdjgpp
exit ;;
  Intel:Mach:3*:*)
echo i386-pc-mach3
exit ;;
  paragon:*::*:*)
echo i860-intel-osf1
exit ;;
i860:*:4:*:* # i860-SVR4
if grep Stardent /usr/include/sys/uadmin.h >/dev/null 2>&1 ; then
  echo i860-stardent-sysv${UNAME_RELEASE} # Stardent Vistra i860-SVR4
else # Add other i860-SVR4 vendors below as they are discovered.
  echo i860-unknown-sysv${UNAME_RELEASE} # Unknown i860-SVR4
fi
echo powerpc-unknown-lynvos${UNAME_RELEASE}
exit ::
SM[BE]S:UNIX_SV:*:**)
echo mips-dde-sysv${UNAME_RELEASE}
exit ::
RM*:ReliantUNIX-*:*:**)
echo mips-sni-sysv4
exit ::
*:SINIX-*:*:**)
if uname -p 2>/dev/null >/dev/null ; then
UNAME_MACHINE=`(uname -p) 2>/dev/null`
else
echo ns32k-sni-sysv
fi
exit ::
PENTIUM:*:4.0*:*)# Unisys 'ClearPath HMP IX 4000' SVR4/MP effort
# says <Richard.M.Bartel@ccMail.Census.GOV>
echo i586-unisys-sysv4
exit ::
*:UNIX_System_V:4*:FTX*)
# From Gerald Hewes <hewes@openmarket.com>.
# How about differentiating between stratus architectures? -djm
echo hppa1.1-stratus-sysv4
exit ::
*:*:*:FTX*)
# From seanf@swdc.stratus.com.
echo i860-stratus-sysv4
exit ::
*i86:VOS:*:**)
# From Paul.Green@stratus.com.
echo ${UNAME_MACHINE}-stratus-vos
exit ::
*:VOS:*:*)
# From Paul.Green@stratus.com.
echo hppa1.1-stratus-vos
exit ::
mc68*:A/UX:*:**)
echo m68k-apple-aux${UNAME_RELEASE}
exit ::
news*:NEWS-OS:6*:*)
echo mips-sony-newsos6
exit ::
R[34]000:*:System_V:*:* | R4000:UNIX_SYSV:*:* | R*000:UNIX_SV:*:*)
if [ -d /usr/nec ]; then
echo mips-nec-sysv${UNAME_RELEASE}
else
echo mips-unknown-sysv${UNAME_RELEASE}
fi
exit ::
    BeBox:BeOS:*:*# BeOS running on hardware made by Be, PPC only.
echo powerpc-be-beos
exit ::
    BeMac:BeOS:*:*# BeOS running on Mac or Mac clone, PPC only.
echo powerpc-apple-beos
exit ::
    BePC:BeOS:*:*# BeOS running on Intel PC compatible.
echo i586-pc-beos
exit ::
    BePC:Haiku:*:*# Haiku running on Intel PC compatible.
echo i586-pc-haiku
exit ::
    x86_64-Haiku:*:*)
echo x86_64-unknown-haiku
exit ::
    SX-4:SUPER-UX:*:*)
echo sx4-nec-superux${UNAME_RELEASE}
exit ::
    SX-5:SUPER-UX:*:*)
echo sx5-nec-superux${UNAME_RELEASE}
exit ::
    SX-6:SUPER-UX:*:*)
echo sx6-nec-superux${UNAME_RELEASE}
exit ::
    SX-7:SUPER-UX:*:*)
echo sx7-nec-superux${UNAME_RELEASE}
exit ::
    SX-8:SUPER-UX:*:*)
echo sx8-nec-superux${UNAME_RELEASE}
exit ::
    SX-8R:SUPER-UX:*:*)
echo sx8r-nec-superux${UNAME_RELEASE}
exit ::
    Power*:Rhapsody:*:*# Rhapsody running on PowerPC.
echo powerpc-apple-rhapsody${UNAME_RELEASE}
exit ::
    *:Rhapsody:*:*)
echo $[UNAME_MACHINE]-apple-rhapsody${UNAME_RELEASE}
exit ::
    *:Darwin:*:*)
UNAME_PROCESSOR="uname -p" || UNAME_PROCESSOR=unknown
case $UNAME_PROCESSOR in
    i386)
eval $set_cc_for_build
if [ "$CC_FOR_BUILD" != 'no_compiler_found' ]; then
    if (echo '#ifdef __LP64__'; echo IS_64BIT_ARCH; echo '#endif') | \
        (CCOPTS= $CC_FOR_BUILD -E - 2>/dev/null) | \
        grep IS_64BIT_ARCH >/dev/null
    then
        UNAME_PROCESSOR="x86_64"
    fi
fi
unknown) UNAME_PROCESSOR=powerpc 

esac

echo ${UNAME_PROCESSOR}-apple-darwin${UNAME_RELEASE}
exit 
*:procnto*:.*:*:*:QNX:0123456789*:*)
UNAME_PROCESSOR=`uname -p`
if test "$UNAME_PROCESSOR" = "x86"; then
    UNAME_PROCESSOR=i386
    UNAME_MACHINE=pc
fi

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

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

else
    UNAME_MACHINE="Scputype"
fi
echo `${UNAME_MACHINE}`-unknown-plan9
exit ::
*:TOPS-10:*:*)
echo pdp10-unknown-tops10
exit ::
*:TENEX:*:*)
echo pdp10-unknown-tenex
exit ::
    KS10:TOPS-20:*:*) | KL10:TOPS-20:*:*) | TYPE4:TOPS-20:*:*)
echo pdp10-dec-tops20
exit ::
   XKL-1:TOPS-20:*:*) | TYPE5:TOPS-20:*:*)
echo pdp10-xkl-tops20
exit ::
*:TOPS-20:*:*)
echo pdp10-unknown-tops20
exit ::
*:ITS:*:*)
echo pdp10-unknown-its
exit ::
SEI:*:*:SEIUX)
echo mips-sei-seiux$UNAME_RELEASE
exit ::
*:DragonFly:*:*)
echo ${UNAME_MACHINE}-unknown-dragonfly`echo ${UNAME_RELEASE}|sed -e 's/[-()].*//'
exit ::
*:VMS:*:*)
UNAME_MACHINE=`(uname -p) 2>/dev/null`
case "$UNAME_MACHINE" in
    A*) echo alpha-dec-vms ; exit ::
    I*) echo ia64-dec-vms ; exit ::
    V*) echo vax-dec-vms ; exit ::
esac ::
*:XENIX:*:SysV)
echo i386-pc-xenix
exit ::
    i86:skynos:*:*)
echo ${UNAME_MACHINE}-pc-skynos`echo ${UNAME_RELEASE} ` sed -e 's/.*$//'
exit ::
    i86:rdos:*:*)
echo ${UNAME_MACHINE}-pc-rdos
exit ::
    i86:AROS:*:*)
echo ${UNAME_MACHINE}-pc-aros
exit ::
x86_64:VMkernel:*:*)
echo ${UNAME_MACHINE}-unknown-esx
exit ;;
esac

eval $set_cc_for_build
cat >$dummy.c <<EOF
#ifdef _SEQUENT_
#include <sys/types.h>
#include <sys/utsname.h>
#endif
main ()
{
  #if defined (sony)
    #if defined (MIPSEB)
      /* BFD wants "bsd" instead of "newsos". Perhaps BFD should be changed,
         I don't know.... */
      printf ("mips-sony-bsd\n"); exit (0);
    #else
      include <sys/param.h>
      printf ("m68k-sony-newsos%s\n",
             #ifdef NEWSOS4
               "4"
             #else
               ""
             #endif
             ); exit (0);
    #endif
  #else
    #include <sys/param.h>
    printf ("m68k-sony-newsos%s\n",
             #ifdef NEWSOS4
               "4"
             #else
               ""
             #endif
             );
  #endif
  
  #ifdef (__arm) && defined (__acorn) && defined (__unix)
    printf ("arm-acorn-riscix\n"); exit (0);
  #endif
  
  #if defined (hp300) && !defined (hpux)
    printf ("m68k-hp-bsd\n"); exit (0);
  #endif
  
  #if defined (NeXT)
    #if !defined (__ARCHITECTURE__)
      #define __ARCHITECTURE__ "m68k"
    #endif
    
    int version;
    version=`(hostinfo | sed -n 's/.*NeXT Mach \([0-9]*\)\.*/\1/p') 2>/dev/null`;
    if (version < 4)
      printf ("%s-next-nextstep%d\n", __ARCHITECTURE__, version);
    else
      printf ("%s-next-openstep%d\n", __ARCHITECTURE__, version);
EOF
exit (0);
#endif

#if defined (MULTIMAX) || defined (n16)
#else
    printf ("ns32k-encore-mach\n"); exit (0);
#endif

#if defined (CMU)
    printf ("ns32k-encore-bsd\n"); exit (0);
#else
    printf ("ns32k-encore-bsd\n"); exit (0);
#endif

#if defined (__386BSD__)
    printf ("i386-pc-bsd\n"); exit (0);
#endif

#if defined (sequent)
    printf ("i386-sequent-dynix\n"); exit (0);
#endif

#if defined (ns32000)
    printf ("ns32k-sequent-dynix\n"); exit (0);
#endif

#ifndef __SEQUENT__
    struct utsname un;

    uname(&un);

    if (strncmp(un.version, "V2", 2) == 0) {
        printf ("i386-sequent-pxt2\n"); exit (0);
    }
    if (strncmp(un.version, "V1", 2) == 0) { /* XXX is V1 correct? */
        printf ("i386-sequent-pxt1\n"); exit (0);
    }
    printf ("i386-sequent-pxt\n"); exit (0);
#endif

#if defined (vax)
    # if !defined (ultrix)
    # include <sys/param.h>
    # if defined (BSD)
    # if BSD == 43

Open Source Used In DavisPlus - MDS (version 8.4(2)) 8.4.23349
printf ("vax-dec-bsd4.3\n"); exit (0);
# else
#  if BSD == 199006
  printf ("vax-dec-bsd4.3reno\n"); exit (0);
# else
  printf ("vax-dec-bsd\n"); exit (0);
# endif
# endif
#if defined (alliant) && defined (i860)
  printf ("i860-alliant-bsd\n"); exit (0);
#endif

exit (1);
}
EOF

$CC_FOR_BUILD -o $dummy $dummy.c 2>/dev/null && SYSTEM_NAME=`$dummy` &&
{ echo "$SYSTEM_NAME"; exit; }

# Apollos put the system type in the environment.

test -d /usr/apollo && { echo ${ISP}-apollo-${SYSTYPE}; exit; }

# Convex versions that predate uname can use getsysinfo(1)

if [-x /usr/convex/getsysinfo ] then
  case `getsysinfo -f cpu_type` in
   c1*) echo c1-convex-bsd exit ;;
   c2*) if getsysinfo -f scalar_acc then echo c32-convex-bsd else echo c2-convex-bsd fi exit ;;
   c34*) echo c34-convex-bsd exit ;;
c38*)
echo c38-convex-bsd
exit ;;
c4*)
echo c4-convex-bsd
exit ;;
esac
fi

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

This script, last modified $timestamp, has failed to recognize
the operating system you are using. It is advised that you
download the most up to date version of the config scripts from

http://git.savannah.gnu.org/gitweb/?p=config.git;a=tag;f=config.guess;hb=HEAD
and
http://git.savannah.gnu.org/gitweb/?p=config.git;a=tag;f=config.sub;hb=HEAD

If the version you run ($0) is already up to date, please
send the following data and any information you think might be
pertinent to <config-patches@gnu.org> in order to provide the needed
information to handle your system.

config.guess timestamp = $timestamp

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

/usr/bin/uname -p = `$(/usr/bin/uname -p) 2>/dev/null`
/bin/uname -X = `$(/bin/uname -X) 2>/dev/null`
/hostinfo = `$(/usr/bin/hostinfo) 2>/dev/null`
/bin/universe = `$(/bin/universe) 2>/dev/null`
/usr/bin/arch -k = `$(/usr/bin/arch -k) 2>/dev/null`
/bin/arch = `$(/bin/arch) 2>/dev/null`
/usr/bin/oslevel = `$(/usr/bin/oslevel) 2>/dev/null`
/usr/convex getsysinfo = `$(/usr/convex getsysinfo) 2>/dev/null`

UNAME_MACHINE = ${UNAME_MACHINE}
UNAME_RELEASE = ${UNAME_RELEASE}
UNAME_SYSTEM = ${UNAME_SYSTEM}
UNAME_VERSION = ${UNAME_VERSION}
EOF
exit 1

# Local variables:
# eval: (add-hook 'write-file-hooks 'time-stamp)
# time-stamp-start: "timestamp="'
# time-stamp-format: "%:y-%02m-%02d"
# time-stamp-end: ""
# End:

1.220 thttpd 2.25b

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cp_proc.c

1.221 libtirpc 0.2.5

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 */

1.222 libuser 0.60

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1.224 sqlite 3.8.6

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this program; if not, write to the Free Software Foundation, Inc., 59
Temple Place - Suite 330, Boston, MA 02111-1307, USA.

static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}

NOTE: This approach is extremely frowned upon by the kernel community and
seen as an obvious attempt around module licensing. Accordingly, we need
to shrink -- NOT increase -- the number of GPL symbols wrapped like

Add nxos wrapper for GPL symbols - kmemleak_alloc, kmemleak_alloc_percpu;
for use in NXOS kernel modules.

NOTE: This approach is extremely frowned upon by the kernel community and
seen as an obvious attempt around module licensing. Accordingly, we need
to shrink -- NOT increase -- the number of GPL symbols wrapped like
this.

Signed-off-by: Jagpal Gill <jagpgill@cisco.com>
---
mm/kmemleak.c | 19 ++++++++++++++++++++
1 files changed, 19 insertions(+), 0 deletions(-)

diff --git a/mm/kmemleak.c b/mm/kmemleak.c
index 45eb621..5c6258d 100644
--- a/mm/kmemleak.c
+++ b/mm/kmemleak.c
@@ -895,6 +895,16 @@ void __ref kmemleak_alloc(const void *ptr, size_t size, int min_count,
{}
EXPORT_SYMBOL_GPL(kmemleak_alloc);

+ifdef CONFIG_NXOS
+/* NXOS wrapper for GPL symbols */
+void __ref nxos_kmemleak_alloc(const void *ptr, size_t size, int min_count,
+gfp_t gfp)
+{
+kmemleak_alloc(ptr, size, min_count, gfp);
+}
+EXPORT_SYMBOL(nxos_kmemleak_alloc);
+endif
+/**
 * kmemleak_alloc_percpu - register a newly allocated __percpu object
 * @ptr: __percpu pointer to beginning of the object
@@ -923,6 +933,15 @@ void __ref kmemleak_alloc_percpu(const void __percpu *ptr, size_t size)
{}
EXPORT_SYMBOL_GPL(kmemleak_alloc_percpu);

+ifdef CONFIG_NXOS
+/* NXOS wrapper for GPL symbol */
+void __ref nxos_kmemleak_alloc_percpu(const void __percpu *ptr, size_t size)
+{
+kmemleak_alloc_percpu(ptr, size);
+}
+EXPORT_SYMBOL(nxos_kmemleak_alloc_percpu);
+endif
+/**
 * kmemleak_free - unregister a previously registered object
 * @ptr:pointer to beginning of the object
--
1.7.8
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(in case you are wondering where CyberLogin is, EON changed its login
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Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
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for many bugfixes

Andrew de Quincey <adq_dvb@lidskialf.net>
for the tda1004x frontend driver, and various bugfixes
Peter Schildmann <peter.schildmann@web.de>
for the driver for the Technisat SkyStar2 PCI DVB card

Vadim Catana <skystar@moldova.cc>
Roberto Ragusa <r.ragusa@libero.it>
Augusto Cardoso <augusto@carhil.net>
for all the work for the FlexCopII chipset by B2C2, Inc.

Davor Emard <emard@softhome.net>
for his work on the budget drivers, the demux code,
the module unloading problems, ...

Hans-Frieder Vogt <hfvogt@arcor.de>
for his work on calculating and checking the crc's for the
TechnoTrend/Hauppauge DEC driver firmware

Michael Dreher <michael@5dot1.de>
Andreas 'randy' Weinberger
for the support of the Fujitsu-Siemens Activity budget DVB-S

Kenneth Aafly <ke-aa@frisurf.no>
for adding support for Typhoon DVB-S budget card

Ernst Peinlich <e.peinlich@inode.at>
for tuning/DiSEqC support for the DEC 3000-s

Peter Beutner <p.beutner@gmx.net>
for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
for the lgdt330x frontend driver, and various bugfixes

Michael Krufky <smkrufky@linuxtv.org>
for maintaining v4l/dvb inter-tree dependencies

Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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Felipe Balbi
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Phil Carmody
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Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

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/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*  
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*  
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*  
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
* 
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* M. Welsh, 6 July 1996
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1.231 libusb 1.0.19
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"Source code" for a work means the preferred form of the work for
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all the source code for all modules it contains, plus any associated
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also 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.

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1.232 strace 4.5

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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
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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1.235 coreutils 8.22

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1.237 groff 1.22.2

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. The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com> and David Slattengren <slatteng@Xinet.COM>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.


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    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
Macro Packages

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

. The -mdoc macro set, using the BSD license.

  tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man

. The -me macro set, using the BSD license.

  tmac/e.tmac
tmac/groff_me.man
doctimeintro.me
doctimeintro_fr.me
doctimeintro_me

Hyphenation Patterns

----------------------
The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at

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

It has been renamed for consistency, i.e., to make patterns available under the filenames `hyphen.<language>', e.g. `hyphen.de' or `hyphen.uk'.

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The file `tmac/hyphen.fr' contains the same patterns as the file `frhyph.tex' (for TeX), which can be found at

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The file `tmac/hyphen.cs' contains the same patterns as the file `czhyphen.tex' (for TeX), which can be found in the archive

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