Open Source Used In Unified Communications Manager Release 12.5.1 SU2 12.5

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1.7 aopalliance-repackaged 2.5.0-b42

1.8 Apache Axis2 - Root 1.4

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

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

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

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

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

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

```
build.bat jars
```

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

```
build.sh jars
```

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

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

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1.32 axis2 1.6.2

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Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
    id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
    id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
    id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251519.AA16031@odin.INS.CWRU.Edu>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@cli.com
In-Reply-To: <chet@odin.INS.CWRU.Edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.
It should serve as a pretty good example of how to get carried away. :-)

From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcecdt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might
want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR

} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.

} I picked up a tar file of ksh scripts you wrote from an anon FTP site
a while back. I'd like your permission to include modified versions
of some of them in the next major bash distribution (with proper credit
given, of course). Is it OK if I do that?

Chet Ramey

--
``The lyf so short, the craft so long to lerne.`` - Chaucer

Chet Ramey, Case Western Reserve University
Internet: chet@po.CWRU.Edu
-- End of excerpt from Chet Ramey

From mikel@ora.com Tue Aug  1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP
(id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>))
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995
12:07:51 -0400
Received: by los.ora.com (4.1/Spike-2.1)
id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger
to work with bash-2.0. Does ORA have any problem with me distributing
it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and
stick it in our ftp archive, and put a reference to it in the book.
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* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision 3a09e2ad5a139a07d7f4d35f98d787c5c0f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cffe2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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

* atf-c/ui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision
  3a0982da308228d796df35f98d787c5c2f2bb5b6,
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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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c2b2bb5b6.

  Author: Julio Merino <jmmv@NetBSD.org>

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

  Author: Julio Merino <jmmv84@gmail.com>

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

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1.37 binutils 2.27 :41.base.el7_6

1.37.1 Available under license :

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.
The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

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

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon
University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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

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

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.
The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

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

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus
Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bug fixes 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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(This file is under construction.)

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

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

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compile support, and one bug in
relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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Version 2.1, February 1999

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

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We call this license the @dfn{Lesser} General Public License because it does @emph{Less} to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less
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A `"library"` means a collection of software functions and/or data

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prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

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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.

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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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
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@item
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than the cost of performing this distribution.

@item
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specified materials from the same place.

@item
Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
@end enumerate

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facilities. This must be distributed under the terms of the
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Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
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@end enumerate

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

@page
@appendixsubsec How to Apply These Terms to Your New Libraries

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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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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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

@item
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@item
Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
@end enumerate

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

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

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.
K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.
Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.38 boost 1.53.0 :27.el7
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--- end ---
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//
//
/////////////////////////////////////////////////////////////////////////

#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

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

namespace boost {
namespace intrusive {
namespace detail {

typedef char one;
struct two {one _[2];};

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

typedef bool_<true> true_;

}}
}

#endif BOOST_INTRUSIVE_DETAIL_MPL_HPP
typedef bool_<false>       false_;
typedef true_  true_type;
typedef false_ false_type;

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

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

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

template<class F, class Param>
struct apply
{
    typedef typename F::template apply<Param>::type type;
};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
class false_t { char dummy[2]; };
    static true_t dispatch(U);
    static false_t dispatch(...);
    static const T &trigger();
    public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

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

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

template<
    bool C,
    typename F1,
    typename F2
>
struct eval_if_c
    : if_c<C,F1,F2>::type
{};

template<
    typename C,
    typename T1,
    typename T2
>
struct eval_if
    : if_<C,T1,T2>::type
{};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T type;
};

#if defined(BOOST_MSVC) || defined(__BORLANDC_)
#define BOOST_INTRUSIVE_TT_DECL __cdecl
#endif
else
#define BOOST_INTRUSIVE_TT_DECL
#endif

#if defined(_MSC_EXTENSIONS) && !defined(__BORLAND__) && !defined(_WIN64) && !defined(UNDER_CE)
define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif

template <typename T>
struct is_unary_or_binary_function_impl
{
  static const bool value = false;
};

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(())>
{
  static const bool value = true;
};

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(...)>\n{
  static const bool value = true;
};
#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (__stdcall*)(())>
{
  static const bool value = true;
};
#ifndef _MANAGED

template <typename R>
struct is_unary_or_binary_function_impl<R (__fastcall*)(())>
{
  static const bool value = true;
};
#endif

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)(())>
{
  static const bool value = true;
};
#endif

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)(...)>\n{
  static const bool value = true;
};
#endif
// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifdef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template<typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0)>
{  static const bool value = true;  };

template<typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0...)>
{  static const bool value = true;  };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template<typename R, class T0>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0)>
{  static const bool value = true;  };

#ifdef _MANAGED

template<typename R, class T0>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0)>
{  static const bool value = true;  };

#endif

template<typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0)>  
{  static const bool value = true;  };

template<typename R, class T0>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0...)>
{  static const bool value = true;  };
#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifdef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template<typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1)>
{  static const bool value = true;  };

template<typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>
{  static const bool value = true;  };

#endif
template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0, T1)>
{  static const bool value = true;  };
#endif

//BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0, T1)>
{  static const bool value = true;  };
#endif

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1)>
{  static const bool value = true;  };
template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1...)>
{  static const bool value = true;  };
#endif

template <typename T>
struct is_unary_or_binary_function_impl<T&>
{  static const bool value = false;  };

//BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative

template <typename T> struct alignment_of;

template <typename T>
struct alignment_of_hack
{
    char c;
    T t;
    alignment_of_hack();
};

template <typename T>
struct alignment_of_hack
{
    struct alignment_of
    {  static const bool value = is_unary_or_binary_function_impl<T>::value;  };
};

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative

template <typename T> struct alignment_of;

template <typename T>
struct alignment_of_hack
{
    char c;
    T t;
    alignment_of_hack();
};

template <typename T>
struct alignment_of
{
    struct alignment_of
    {  static const std::size_t value = A < S ? A : S;  };
};
template<typename T>
struct alignment_of
{
    static const std::size_t value = alignment_logic
        < sizeof(alignment_of_hack<T>) - sizeof(T)
            , sizeof(T)
        >::value;
};

template <typename T, typename U>
struct is_same
{
    typedef char yes_type;
    struct no_type
    {
        char padding[8];
    };

template <typename V>
static yes_type is_same_tester(V*, V*);
static no_type is_same_tester(...);

static T *t;
static U *u;

    static const bool value = sizeof(yes_type) == sizeof(is_same_tester(t,u));
};

template<typename T>
struct add_const
{
    typedef const T type;
};

template<typename T>
struct remove_const
{
    typedef T type;
};

template<typename T>
struct remove_const<const T>
{
    typedef T type;
};

template<typename T>
struct remove_cv
{
    typedef T type;
};

template<typename T>
struct remove_cv<const T>
typedef T type;
}

template<typename T>
struct remove_cv<const volatile T>
{
    typedef T type;
};

template<typename T>
struct remove_cv<volatile T>
{
    typedef T type;
};

template<class T>
struct remove_reference
{
    typedef T type;
}

template<class T>
struct remove_reference<T&>
{
    typedef T type;
};

template<class Class>
class is_empty_class
{
    template<typename T>
    struct empty_helper_t1 : public T
    {
        empty_helper_t1();
        int i[256];
    };

    struct empty_helper_t2
    { int i[256]; };

    public:
    static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};

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

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

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

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

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

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

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP
#if (defined _MSC_VER) && (_MSC_VER >= 1200)
#pragma once
#endif
#include <cstddef>
namespace boost {
namespace interprocess {
namespace ipcdetail {

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


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

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

typedef true_ true_type;
typedef false_ false_type;

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

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

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

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

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; }; 
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
    public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

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

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

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

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;   }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;   }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};
template<
    std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

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

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

//namespace ipcdetail {
}  //namespace interprocess {
}  //namespace boost {

#endif  //#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

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

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#if (defined _MSC_VER) && (_MSC_VER >= 1200)
#pragma once
#endif

#include <cstddef>

namespace boost {
    namespace container {
        namespace container_detail {

            #ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
            #define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

            #if (defined _MSC_VER) && (_MSC_VER >= 1200)
                #pragma once
            #endif

            #include <cstddef>

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

template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;    
    operator bool() const { return bool::_::value; }  
};

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

typedef true_ true_type;
typedef false_ false_type;

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

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

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

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

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

template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> {};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
};
static true_t dispatch(U);
static false_t dispatch(...);
static T trigger();
public:
enum { value = sizeof(dispatch(trigger())) == sizeof(true_t) };
};

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

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

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

template <class Pair>
struct select1st
    // : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;  }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;  }
};
// identity is an extension: it is not part of the standard.

template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

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

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

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

template <typename T> struct unvoid { typedef T type; }
template <> struct unvoid<void> { struct type { }; }
template <> struct unvoid<const void> { struct type { }; }

}  //namespace container_detail {
}  //namespace container {
}  //namespace boost {

#endif   //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

boost::geometry
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Examples:
- adapted geometry types e.g. array, Boost.Polygon
- implemented file-format e.g. WKB
- implemented specific strategy or algorithm e.g. intersections
3) Examples -> might take sole copyright
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The copyright note for other (source) files as .py, Jamfiles, etc is similar
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All the value based traits in this library conform to MPL’s requirements for an Integral Constant type: that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that

```html
<p>
<h2 class="link" href="mpl.html" title="MPL Interoperability">MPL Interoperability</h2>

</p>
```
All the value based traits in this library conform to MPL's requirements for an [Integral Constant type](#): that includes a number of
rather intrusive
workarounds for broken compilers.

Purely as an implementation detail, this
means that `__true_type` inherits from `boost::mpl::true_`,
`__false_type` inherits
from `boost::mpl::false_`, and `__integral_constant<T, v>` inherits from
`boost::mpl::integral_c<T, v>` (provided `T` is not `bool`)

[endsect]
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Maybe this should pass?
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

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

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

Some other contributors:

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

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

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 */

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 *
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 *
 */

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

//
// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f) {}

private:
    split_path& operator=(const split_path&);
};

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

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

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

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
msg += m_dest_path.string();
msg += " for output."
std::runtime_error e(msg);
boost::throw_exception(e);
}
os <<
"<html>
<head>
<title>Boost Licence Dependency Information</title>
</head>
<body>
<H1>Boost Licence Dependency Information</H1>
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}
os <<
"</H1>
"<h2>Contents</h2>
<pre><a href="#input">Input Information</a>
"<a href="#summary">Licence Summary</a>
"<a href="#details">Licence Details</a>
while(i != j)
{
// title:
os << " <A href="#\"" << make_link_target(licenses.first[i->first].license_name)
<< ">" << licenses.first[i->first].license_name << "</a>";
++i;
}
os << "<a href="#files">Files with no recognised license</a>"
"<a href="#authors">Files with no recognised copyright holder</a>"
if(!m_bsl_summary_mode)
{
os <<
"Moving to the Boost Software License...
"<a href="#bsl-converted">Files that can be automatically converted to the Boost Software License</a>
"<a href="#to-bsl">Files that can be manually converted to the Boost Software License</a>
"<a href="#not-to-bsl">Files that can NOT be moved to the Boost Software License</a>"
"<a href="#need-bsl-authors">Authors we need to move to the Boost Software License</a><br/>
"<a href="#copyright">Copyright Holder Information</a><br/>
"}<br/>

os << "File Dependency Information<br/>
"<pre>
<br/>
// input Information:
//
// os << "<a name="input"></a><h2>Input Information</h2>

if(m_scan_mode)
    os << "<p>The following files were scanned for boost dependencies:<br/>
";
else
    os << "<p>The following Boost modules were checked:<br/>
"

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os << *si << "<br/>
    ++si;
}

os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></p>
//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
// fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex("^[[:blank:]]*#\[[:blank:]]*define[[:blank:]]*BOOST_VERSION[[:blank:]]*\(\d+\)");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100 << "</p><br/>

} //
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    //
// start with the summary:
//
os << "<a name="summary"></a><h2>Licence Summary</h2>
while(i != j)
{
  // title:
os << "<H3>" << licenses.first[i->first].license_name << "</H3>
  // license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
  // Copyright holders:
os << "<P>This license is used by " << i->second.authors.size() << " authors and " << i->second.files.size() << " files <a href="#" make_link_target(licenses.first[i->first].license_name)">see details</a>";
  os << "</P></BLOCKQUOTE>\n";
  ++i;
}

// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name="details"></a><h2>Licence Details</h2>
while(i != j)
{
  // title:
os << "<H3><A name=""
  // license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
  // Copyright holders:
os << "<P>This license is used by the following " << i->second.authors.size() << " copyright holders:</P><BLOCKQUOTE><P>
std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
os << *x << "<BR>\n";
  ++x;
}
os << "</P></BLOCKQUOTE>\n";
  // Files using this license:
This license applies to the following files:

```
<BLOCKQUOTE>

```

This license is used by authors (list omitted for brevity).

This license applies to files (list omitted for brevity).

```

```

Files With No Recognisable Licence

```

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Files With No Recognisable Copyright Holder

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```
if(!m_bsl_summary_mode)
{

    // Output list of files that have been moved over to the Boost
    // Software License, along with enough information for human
    // verification.

    os << "<h2><a name="bsl-converted"></a>Files that can be automatically converted to the Boost Software
License</h2><p>
" << m_converted_to_bsl.size() << " files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:<p>
";

    if (!m_converted_to_bsl.empty())
    {
        typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;

        conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();

        int file_num = 1;
        while (i != ie)
        {
            os << "<P>[" << file_num << "] File: <tt>" << split_path(m_boost_path, i->first)
            << "<tt><br>\n\n<pre>";
            i->second.first << "</pre></td><\n</td><\n</pre>";
            ++i;
            ++file_num;
        }
    }

    // Output list of files that could be moved over to the Boost Software License
    //
    os << "<h2><a name="to-bsl"></a>Files that could be converted to the Boost Software License</h2><p>
" << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost Software License, but have not yet been:<p>
";

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

    // Output list of files that can not be moved over to the Boost Software License
    //
    os << "<h2><a name="not-to-bsl"></a>Files that can NOT be converted to the Boost Software License</h2><p>
";
"<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:</P><BLOCKQUOTE><P>

i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "\n";
    ++i2;
}

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

// Output list of authors that we need permission for to move to the BSL
//
os << "<h2><a name=\"need-bsl-authors\"></a>Authors we need for the BSL</h2><a name=\"need-bsl-authors\">\n"
"<P>Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in <code>more/blanket-permission.txt</code>.</P><BLOCKQUOTE><P>

std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
    std::ostream_iterator<std::string>(os, "\n");
os << "</p></BLOCKQUOTE>";

// output a table of copyright information:
//
os << "<H2><a name=\"copyright\"></a>Copyright Holder Information</H2><table border="1"\n"
std::map<std::string, std::set<fs::path, path_less>> ad, ead;
ad = m_author_data.begin();
edad = m_author_data.end();
while(ad != ead)
{
    os << "<tr><td>" << ad->first << "</td><td>
    std::set<fs::path, path_less>::const_iterator fi, efi;
    fi = ad->second.begin();
    efi = ad->second.end();
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi) << ";
        ++fi;
    }
    os << "</td></tr>\n";
    ++ad;
}
os << "</table>\n";

// output file dependency information:
//
os << "<H2><a name=\"depend\"></a>File Dependency Information</H2><BLOCKQUOTE><pre>
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;

fi = m_copy_paths.begin();
efi = m_copy_paths.end();

// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());

    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }

    fi = bad_paths.begin();
efi = bad_paths.end();
    os << "<P>For brevity, only files not under the BSL are shown</P><br>
    
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
            os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
            os << split_path(fs::path(), dep->second);
            else
            os << dep->second.string();
            if(seen_deps.find(dep->second) != seen_deps.end())
            {
            os << " <I>(Circular dependency!)</I>";
            break; // circular dependency!!!
        }
        seen_deps.insert(dep->second);
    last_dep = dep;
}
dep = m_dependencies.find(dep->second);
if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
    break;
}
os << "\n";
++fi;
}
os << "</pre></BLOCKQUOTE>\n";

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

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

Index: boost/mpl/print.hpp

--- boost/mpl/print.hpp(revision 83411)
+++ boost/mpl/print.hpp(working copy)
@@ -45,22 +45,21 @@
      : mpl::identity<T>
    #if defined(__MWERKS__)
        , aux::print_base
-    #endif
+    #endif
+    +#endif
+
    #if defined(BOOST_MSVC)
        enum { n = sizeof(T) + -1 };  
    #elif defined(__MWERKS__)
-        enum {
-            n = 
+        enum {
+            n = aux::dependent_unsigned<T>::value > -1 
            
    #else
-        enum {
-            n = 
+        enum {
+            n = aux::dependent_unsigned<T>::value > -1 
            
    #endif
+    +#endif
     +#elif defined(__EDG_VERSION__)  
    +    enum { n = aux::dependent_unsigned<T>::value > -1 };  
    #endif
+elif defined(BOOST_GCC)
+    enum { n1 };
+    enum { n2 };
+    enum { n = n1 != n2 };
+} else
+    enum { n = sizeof(T) > -1 };
+} endif

#if defined(BOOST_MSVC)

1.39 Bouncy Castle Provider 1.50

1.40 bzip2 1.0.6 :13.1.el7_6
1.40.1 Available under license:

--------------------------------------------------------------------------
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Julian Seward, jseward@bzip.org
bzip2/libbz2 version 1.0.6 of 6 September 2010

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 * $Date: 2002/03/10 14:32:48 $
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Open Source Used In Unified Communications Manager Release 12.5.1 SU2 12.5

903
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<li class="menuItem">
<a href=".././participating/users.html" title="Informal list about who is using Cactus.">Who Uses Cactus?</a>
</li>

<li class="menu">Developers<ul>
<li class="menuItem">
<a href=".././participating/todo.html" title="List of todo tasks for the next Cactus releases.">Roadmap/Todo</a>
</li>

<li class="menuItem">
<a href=".././participating/build_result.html" title="Aggregated links to the results of the nightly builds.">Nightly Build Results</a>
</li>

<li class="menuItem">
<a href=".././participating/coding_conventions.html" title="The coding conventions used for the development of Cactus itself.">Coding Conventions</a>
</li>

<li class="menuItem">
<a target="cvs" href="http://jakarta.apache.org/site/cvsindex.html">CVS</a>
</li>

<li class="menuItem">
<a href=".././participating/howto_build.html" title="How to build Cactus from source.">Building From Source</a>
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<li class="menuItem">
<a href=".././participating/coverage.html" title="Cactus code coverage reports (generated by Clover)"">Code Coverage Reports</a>
</li>

<li class="menuItem">
<a href=".././participating/release_checklist.html" title="Things that are important to check when preparing a release of Cactus.">Release Checklist</a>
</li>
</ul>
</li>
All work on Cactus is contributed by volunteers whose only motivation is to help make Cactus work even better, both for themselves and for rest of the community.

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<br/>
<ul>
<li><a href="mailto:vmassol@apache.org" title="">Vincent Massol</a></li>
<li><a href="mailto:paston@bea.com" title="">Philip Aston</a></li>
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<li><a href="mailto:ndlesiecki@apache.org" title="">Nicholas Lesiecki</a></li>
</ul>
</div>
<div class="section">
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<blockquote>
<ul>
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</blockquote>
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<blockquote>
<ul>
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<li><a href="mailto:jariw@hyperlink-interactive.co.uk" title="">Jari Worsley</a></li>
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<li><a href="mailto:cmlenz@gmx.de" title="">Christopher Lenz</a></li>
</ul>
</blockquote>
</div>

<div class="section">
<h1>Special thanks</h1>
</div>
Thanks to all that have reported bugs or suggested ideas for Cactus.

Thanks to all that are participating to the Cactus Logo competition.

And, of course ...

Thanks to the Apache Jakarta project for accepting the donation of J2EEUnit (renamed Cactus), thus giving it a home and more importantly a family.

More about us

Vincent Massol -- Committer

I started designing internet applications in 1998, when I joined OCTO Technology, an Information System Architecture Consulting company, providing expert IT Solutions and Application Architects in the field of new technologies (Application Servers, EAI, Internet Relationship Management). Very soon, when working on customer projects, I introduced the concept of unit
testing (using JUnit) as a good way
of writing reliable code. Although it worked very well for unit
testing "standard" java classes, it was much more difficult for
classes that used container objects. Thus, I began developing a small
generic framework to help unit test servlets. I improved the
framework as I moved on, from customer to customer.

<p>Until it was time to open source it ! There were several drivers for that
decision. As I spread the word about this framework within Octo,
several octomen (and octowoman !) began using it and making
modifications, and we ended up with several versions of it, making it difficult to
synchronize them (although it was good for the evolutionary and
darwinian side of it :) ). Another good reason was that I wanted to
have feedback from the open source community and wanted to get help
to improve it. Also, it was good to be able to provide to our
customers a framework that would continue to evolve and be maintained
even after we left the project. The last reason, maybe the strongest,
is that I have always been fond of the open source concept and as Octo is providing consulting services, it did not clash with our business model !

Thus, I moved the project to SourceForge and called it J2EEUnit. It did well and more and more persons were downloading, participating and using it.

Now, most Applications Servers, EAI solutions or IRM ones are providing an infrastructure on which to build applications. But once you've bought the server, you're far from being finished ... There is the business logic code to write but there is also a lot of "glue" to implement. These are technical frameworks like a Controller of the MVC model, a logging framework, an XML-Java mapping one, application configuration, localization, templating, ... And usually these frameworks are not provided in the software package you buy. And even if they are (logging for example), they are not best of breed ones. For these frameworks, I have always been using open source solutions so far (Struts, Log4j, Ant, ...). Thus, I was lurking on Jakarta mailing-lists when I heard about a new project starting, called "Commons" which was to be a place where common components useful for several Jakarta projects would be found. I thought the idea of having a server-side java unit testing framework
for Jakarta project (which are server side projects) was a good idea. I proposed to donate J2EEUnit to the Apache Software Foundation ... and I was lucky enough it was accepted ! :-)
</p>

<p>However, the J2EEUnit name was infringing on the Sun trademark on J2EE so we had to change the name. It was changed to Cactus (see the &lt;a href=".././cactusname.html" title="Some background information about how Cactus got its name."&gt;Why the name?&lt;/a&gt; page for why this name). I found that in the move from SourceForge to Jakarta, I had found a new home for Cactus but, more importantly, I had found a family ! The sense of Community is very strong on Jakarta. You can feel right away the atmosphere and see it is different from other places.
</p>

<p>Then, thanks to Cactus growing community, our efforts were rewarded and Cactus was accepted as a Jakarta top level project, alongside the renowned Tomcat, Ant, Struts, ... waowww !
</p>

<p>We are now busy improving Cactus and looking for help. The first step was to get Cactus up and running and demonstrate it worked and is useful. This step has been achieved (I hope :) ). The second step is now to build a community around Cactus and find persons who are willing to actively participate in the future of it. Unit testing has still not reached the mainstream of development practices but is in the process of doing so with increasing interest in lightweight (also called "Agile") methodologies like Extreme Programming (XP). On the other hand, java server side programming is becoming stronger every day. This is to say that there is a bright future ahead for Cactus and there is still everything to invent.
</p>

<p>Although the project started as a one-man project, my goal has always been to relinquish as much as possible my hold on Cactus and make it a community-wide project. This is a work in progress and I am proud to say that I am no longer the only committer on the project and several persons have jumped aboard and are already helping shape Cactus future. Come and help us ! :) 
</p>
More info on my current open source involvements can be found
</p>

<a name="nick_bio">
<!--anchor--> </a>

<p>

<b>
<a href="mailto:ndlesiecki@apache.org" title="">Nicholas Lesiecki</a>-- Committer
</b>

</p>

<p>

I became involved in Cactus while co-authoring
our <a href=".././resources/index.html#xp_book">resources</a>
section for details.) While researching the framework I found myself
making some suggestions on the project's mailing list. One thing led
to another, and now I am graced with committer status.
</p>

<p>

I currently work as a Technical Team Lead at
<a href="http://www.eblox.com" title="">eBlox, Inc</a>, a consulting and
ecommerce application development shop. Right now I lead development of
the company's flagship online catalog system,
<a href="http://eblox.com/storeblox.php" title="">storeBlox</a>. As such,
I'm always working on new ways to test J2EE components, and so my
involvement with Cactus is natural.
</p>

<p>

I'm excited about Cactus 2.0, which we hope will usher in the next
phase in in-container testing by providing a more abstract framework for
interacting with a wider variety of containers (EJB, JMS, etc.).
</p>
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tecl/extracted_text/921
1.44 cairo 1.14.8 :2.el7

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yvind Kols <pippin@freedesktop.org> Author of the original romedalen shot.

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

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

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1.72 compat-db 4.7.25 :28.el7

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<signature of Ty Coon>, 1 April 1989
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<?xml version="1.0" encoding="ISO-8859-1"?>
<DOCTYPE html
 PUBLIC "-/W3C//DTD XHTML 1.0 Transitional//EN"
 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
<meta name="AUTHOR" content="pme@gcc.gnu.org (Phil Edwards)" />
<meta name="KEYWORDS" content="libstdc++, license, licence" />
<meta name="DESCRIPTION" content="Copying restrictions for libstdc++." />
<meta name="GENERATOR" content="vi and eight fingers" />
<title>libstdc++ v3 copying</title>
<link rel="StyleSheet" href="../lib3styles.css" />
</head>
<body>

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<hr />


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A: No. The special exception permits use of the library in proprietary applications.

Q: How is that different from the GNU Lesser Library GPL?
A: The LGPL requires that users be able to replace the LGPL code with a modified version; this is trivial if the library in question is a C shared library. But there's no way to make that work with C++, where much of the library consists of inline functions and templates, which are expanded inside the code that uses the library. So to allow people to replace the library code, someone using the library would have to distribute their own source, rendering the LGPL equivalent to the GPL.

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

That's all there is to it!

f2c is a Fortran to C converter under development since 1990 by
David M. Gay (then AT&T Bell Labs, now Bell Labs, Lucent Technologies)
Stu Feldman (then at Bellcore, now at IBM)
Mark Maimone (Carnegie-Mellon University)
Norm Schryer (then AT&T Bell Labs, now AT&T Labs)
Please send bug reports to dmg@research.bell-labs.com.

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*****************************************************************************

#define LIB_SPEC	"%{!p:%{!pg:-lc}}%{p:-lc_p}%{pg:-lc_p}"

#define STARTFILE_SPEC	"%{pg:gcrt0.o%s}%{!pg:%{p:gcrt0.o%s}%{!p:crt0.o%s}}"

#define SYSTEM_HEADER_DIR	"/bsd43/usr/include"

/* Definitions of target machine for GNU compiler.  MIPS RISC-OS BSD version. */

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the Free Software Foundation, 59 Temple Place - Suite 330,
Boston, MA 02111-1307, USA. */

#define MIPS_BSD43
#define CPP_PREDEFINES "\n-Dmips -Dunix -Dhost_mips -DMIPSEB -DR3000 -DSYSTYPE_BSD43 \n-D_mips -D_unix -D_host_mips -D_MIPSEB -D_R3000 -D_SYSTYPE_BSD43 \n-Asystem=unix -Asystem=bsd -Acpu=mips -Amachine=mips"

#define STANDARD_INCLUDE_DIR "/bsd43/usr/include"
#define LINK_SPEC "\n%{G*} %{EB} %{EL} %{mips1} %{mips2} %{mips3} \n%{bestGnum} %{shared} %{non_shared} \n-systype /bsd43/"
#define LIB_SPEC "%{p:-lprof1} %{pg:-lprof1} -lc"
#define STARTFILE_SPEC "%{pg:gcrt0.o%s}%{!pg:%{p:mcrt0.o%s}%{!p:crt1.o%s crtn.o%s}}"
#define MACHINE_TYPE "RISC-OS BSD Mips"

/* Generate calls to memcpy, etc., not bcopy, etc. */
#define TARGET_MEM_FUNCTIONS

/* Override defaults for finding the MIPS tools. */
#define MD_STARTFILE_PREFIX "/bsd43/usr/lib/cmplrs/cc/"
#define MD_EXEC_PREFIX "/bsd43/usr/lib/cmplrs/cc/"
# Exactly the same as t-mips, except we must define SYSTEM_HEADER_DIR
# to point to the bsd43 include files.
SYSTEM_HEADER_DIR = /bsd43/usr/include
# BSD on the PA already has ANSI include files which are c++ compatible.
STMP_FIXPROTO=
#undef ASCII_DATA_ASM_OP
#define ASCII_DATA_ASM_OP \t.ascii \t"
#undef TARGET_VERSION
#define TARGET_VERSION fprintf (stderr, " (i860, BSD)"

/* BSD UN*X systems use BSD STABS debugging info. */

#define DBX_DEBUGGING_INFO

#define ASCII_DATA_ASM_OP "\t.byte\n"
#define ASCII_OUTPUT_ASM(f, p, size)
do { register size_t i, limit = (size);
   int inside;
   inside = FALSE;
   for (i = 0; i < limit; i++) {
      if (i % 64 == 0) {
         if (i != 0) {
            if (inside)
               putc('"', (f));
            putc('
', (f));
            inside = FALSE;
         }
         fprintf((f), "%s", ASCII_DATA_ASM_OP);
      }
      if ((p)[i] < 32 || (p)[i] == '\' || (p)[i] == '"' || (p)[i] >= 127) {
         if (inside) {
            putc('"', (f));
            inside = FALSE;
         }
         if (i % 64 != 0)
           putc(',', (f));
         fprintf((f), "%d", (p)[i]);
      } else {
         if (!inside) {
            if (i % 64 != 0)
              putc(',', (f));
            putc('"', (f));
            inside = TRUE;
         }
         putc((p)[i], (f));
      }
   }
   if (inside)
      putc('"', (f));
      putc('"', (f));
   while (0)
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.
HISTORY -

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

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

Some other contributors:

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

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

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Jan 21, 2002

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obligated to do so. If you do not wish to do so, delete this
exception statement from your version. */

package java.security;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
 * within the context of a subclass. Some permission names may have no
 * actions associated with them. That is, you either have the permission
 * or you don't.
 * 
 * The most important method in this class is <code>implies</code>. This
 * checks whether if one has this permission, then the specified
 * permission is also implied. As a conceptual example, consider the
 * permissions "Read All Files" and "Read File foo". The permission
 * "Read All Files" implies that the caller has permission to read the
 * file foo.
 * 
 * <code>Permission</code>'s are not dynamic objects. Once created, a
 * <code>Permission</code>'s name and action list cannot be changed.
 * 
 * @version 0.0
 * 
 * @author Aaron M. Renn (arenn@urbanophile.com)
 */

public abstract class Permission implements Guard, Serializable
{
    /**
     * This is the name assigned to this permission object.
     */
    private String name; // Taken from the serializable form information

    /**
     * This method initializes a new instance of <code>Permission</code> to
     * have the specified name.
     */
public Permission(String name) {
    this.name = name;
}

/**
 * This method returns the name of this <code>Permission</code>
 * @return The name of this <code>Permission</code>
 */
public final String getName() {
    return (name);
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>.
 * @return The action list for this <code>Permission</code>.
 */
public abstract String getActions();

/**
 * This method implements the <code>Guard</code> interface for this class.
 * It calls the <code>checkPermission</code> method in
 * SecurityManager with this <code>Permission</code> as its
 * argument. This method returns silently if the security check succeeds
 * or throws an exception if it fails.
 * @param obj The <code>Object</code> being guarded - ignored by this class
 * @exception SecurityException If the security check fails
 */
public void checkGuard(Object obj) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null)
        sm.checkPermission(this);
}

/**
 * Check to see if this object equals OBJ.
 */
public abstract boolean equals (Object obj);
* This method tests whether this `<code>Permission</code>` implies that the
* specified `<code>Permission</code>` is also granted.
*
* @param perm The `<code>Permission</code>` to test against
*
* @return `<code>true</code>` if the specified `<code>Permission</code>` is implied by this one,
`<code>false</code>` otherwise.
*/
public abstract boolean implies(Permission perm);

/**
 * This method returns a hash code for this `<code>Permission</code>`.
 *
 * @return A hash value.
 */
public abstract int hashCode();

/**
 * This method returns a `<code>String</code>` representation of this
 * `<code>Permission</code>` object.
 *
 * @return This object as a `<code>String</code>`.
 */
public String toString()
{
    return ("\" + getClass().getName() + "\" + getName() +
        "\" + "\" + getActions() + "\"");
}

/**
 * This method returns an empty `<code>PermissionCollection</code>` object
 * that can store permissions of this type, or `<code>null</code>` if no
 * such collection is defined.
 *
 * @return A new `<code>PermissionCollection</code>`
 */
public PermissionCollection newPermissionCollection()
{
    return null;
}

*/

Permission.java -- Information about an ACL permission
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package java.security.acl;

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

/**
 * This method returns this <code>Permission</code> as a <code>String</code>.
 *
 * @return A <code>String</code> representing this permission.
 */
public String toString();
}

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

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

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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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
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specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

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

e) Verify that the user has already received a copy of these
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components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
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^L

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<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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

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

That's all there is to it!

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

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

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

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

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20
> ----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
> >=20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

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

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

the original license (before moving to sourceforge -- aka, 2.7) was not GPL-2 ... it was a modified artistic license ... i 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=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike
Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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

-- Nathan
=20

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
> =20
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
directly
> > and see if he wants to relicense his code as LGPL... but at this
> > point,
> > > it was enough to just get it consistent and documented as to what
> > > it was
> > > released under. This wasn't actually a license change, just a
> > > clarification of the licensing that was already in place.
> > =20
> > the original license (before moving to sourceforge -- aka, 2.7) was
> > not
> > GPL-2 ... it was a modified artistic license ... i didn't notice the
> > license
> > change until it was mentioned in the latest notes.
> > =20
> > unlike the old license, GPL-2 prevents people from using cracklib
> > unless their
> > applications are also GPL-2 which imo is just wrong. it isn't the
> > place of a
> > library to dictate to application writes what license they should
> > be using.
> > thus LGPL-2.1 enters to fill this void.
> > -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.
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

#!/usr/bin/python
# Copyright 2009, 2012 Jan Dittberner <jan@dittberner.info>
#
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1.78 cronie 1.4.11 :17.el7
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*
/*@(#)bitstring.h8.1 (Berkeley) 7/19/93
*/

1.79 cryptsetup 1.7.4 :3.el7

1.79.1 Available under license :

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Version 2.1, February 1999

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

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

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

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Appendix: How to Apply These Terms to Your New Programs

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

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

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
GNU General Public License for more details.

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., 675 Mass Ave, Cambridge, MA 02139, USA.

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

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

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

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

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

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

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

This General Public License does not permit incorporating your program into
proprietary programs. If your program is a subroutine library, you may
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library. If this is what you want to do, use the GNU Library General
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Version 2, June 1991

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

Preamble

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

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

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal...
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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

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

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

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

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

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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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warranty; and distribute a copy of this License along with the Library.

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

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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.

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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.

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

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

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

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

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

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

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

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

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

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

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b) Accompany the work with a written offer, valid for at
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specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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d) Verify that the user has already received a copy of these
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For an executable, the required form of the "work that uses the
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reproducing the executable from it. However, as a special exception,
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components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
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It may happen that this requirement contradicts the license
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Appendix: How to Apply These Terms to Your New Libraries

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

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library 'Frob' (a library for tweaking knobs) written by James Random Hacker.
<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

<!-- SECTION: Getting Started -->

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<title>Software License Agreement</title>
<link rel="stylesheet" type="text/css" href="../cups-printable.css">
</head>

<body>

<h1 class="title">Software License Agreement</h1>

<p align="center">Copyright 2007-2012 by Apple Inc.<br>1 Infinite Loop<br>Cupertino, CA 95014 USA<br><br>WWW: <a href="http://www.cups.org/">http://www.cups.org/</a></p>

<h2 class="title"><a name="INTRO">Introduction</a></h2>

<p>CUPS<sup>TM</sup> is provided under the GNU General Public License ("GPL") and GNU Library General Public License ("LGPL"), Version 2, with exceptions for Apple operating systems and the OpenSSL toolkit. A copy of the exceptions and licenses follow this introduction.</p>

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libraries under other licenses and/or conditions as appropriate
for your application, driver, or filter.</p>

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</OL>

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</OL>

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the "copyright" line and a pointer to where the full notice is found.

<pre>
VAR>one line to give the program's name and an idea of what it does.\VAR>
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</pre>

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

<P>If the program is interactive, make it output a short notice like this
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Gnomovision version 69, Copyright (C) \VAR>year \VAR> name of author\VAR>
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details
type `show w`. This is free software, and you are welcome
</pre>
to redistribute it under certain conditions; type `show c'
for details.
</PRE>

&lt;P&gt;The hypothetical commands &lt;SAMP&gt;`show w'</SAMP> and &lt;SAMP&gt;`show c'</SAMP> should show
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commands you use may be called something other than &lt;SAMP&gt;`show w'</SAMP> and
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school, if any, to sign a "copyright disclaimer" for the program, if
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Yoyodyne, Inc., hereby disclaims all copyright
interest in the program 'Gnomovision'
(which makes passes at compilers) written
by James Hacker.

&lt;VAR&gt;signature of Ty Coon&lt;/VAR&gt;, 1 April 1989
Ty Coon, President of Vice
&lt;/PRE&gt;

&lt;H2 CLASS="title"&gt;&lt;A NAME="LGPL">GNU LIBRARY GENERAL PUBLIC LICENSE</A&gt;&lt;/H2&gt;

&lt;P&gt;Version 2, June 1991

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&lt;H3&gt;Preamble&lt;/H3&gt;

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

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

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You must cause the whole of the work to be licensed at no
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<P><LI>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.

<P>(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.)

</OL>

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<P>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.

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

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

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

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

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

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

- 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.)

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

- If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
<P>Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

</OL>

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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<OL TYPE="a">
    <LI>Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

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

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1.82 curl 7.29.0 :51.el7

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krb4

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http://www.broofa.com
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2-
SourceFilePermission.java
3org/apache/cxf/rs/security/oauth2/common/Permissionjava/lang/Objectjava/io/Serializable!

3*
!#Y**,*+%&'(/*>*>*+78/*/>*+GH!>*UV"#/Y$%
2&!"#$%
permissionLjava/lang/String;description
isDefaultZ<init>()VCodeLineNumberTableLocalVariableTablethis2Lorg/apache/cxf/rs/security/oauth/data/Permission;
(Ljava/lang/String;Ljava/lang/String;)VgetDescription()Ljava/lang/String;setDescription(Ljava/lang/String;)V
getPermission
setPermission
setDefault(Z)Vvalue()Z
SourceFilePermission.java
0org/apache/cxf/rs/security/oauth/data/Permissionjava/lang/Object!

3*
!Y**,*+%&/*)>*>*+
-#/1>*+
56>*
?@
/*C
2
copyFrom(Ljava/io/InputStream;)I
Exceptions
SourceFileCopyingOutputStream.java%org/apache/cxf/io/CopyingOutputStreamjava/lang/Objectjava/io/IOExcepti
on
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<!--NewPage-->  
<html>
<head> 
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  
<title>Uses of Interface org.apache.cxf.io.CopyingOutputStream (Apache CXF JavaDoc 3.0.0 API)</title>
</head>
<body> 

<link rel="stylesheet" type="text/css" href="../stylesheet.css" title="Style">
<script type="text/javascript">
function windowTitle()
No usage of org.apache.cxf.io.CopyingOutputStream

No usage of org.apache.cxf.io.CopyingOutputStream
Marker interface for OutputStreams that can directly support copying from an input stream. OutputStreams that maintain their own byte buffer or similar may be able to optimize the copy instead of using the read/write into a temporary buffer that the normal IOUtils.copy method requires.

Method Summary:

```java
public interface CopyingOutputStream
{
    int copyFrom(InputStream input);
}
```
interface in java.io">InputStream</A>&nbsp;in)</CODE></p>

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

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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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is
addressed as "you".

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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

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

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

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If any portion of this section is held invalid or unenforceable under any
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and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any
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to distribute software through any other system and a licensee cannot
impose that choice.

This section is intended to make thoroughly clear what is believed to
be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in
certain countries either by patents or by copyrighted interfaces, the
original copyright holder who places the Library under this License may add
an explicit geographical distribution limitation excluding those countries,
so that distribution is permitted only in or among countries not thus
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the
ordinary General Public License).

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

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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

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

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

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

That's all there is to it!

1.93 device-mapper-persistent-data 0.7.0
:0.1.rc6.el7
1.93.1 Available under license:

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Preamble

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want it, that you can change the software or use pieces of it in new
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For example, if you distribute copies of such a program, whether
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freedoms that you received. You must make sure that they, too, receive
or can get the source code. And you must show them these terms so they
know their rights.

Developers that use the GNU GPL protect your rights with two steps:
(1) assert copyright on the software, and (2) offer you this License
giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains
that there is no warranty for this free software. For both users' and
authors' sake, the GPL requires that modified versions be marked as
changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

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

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

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a
computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


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

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

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

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically
linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

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Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or
modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.


You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

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

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

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

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

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

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

6. Conveying Non-Source Forms.

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

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

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

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

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.
e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

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  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
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* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c0f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

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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:
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Theodore Ts'o
23-June-2007

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

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/*

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

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
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# This is a Makefile stub which handles the creation of BSD shared libraries.

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

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

all:: image

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

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

image::$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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Gadi Oxman, August 1995

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/* Name and version of program. */
ARGP_PROGRAM_VERSION_HOOK_DEF = print_version;

/* Bug report address. */
ARGP_PROGRAM_BUG_ADDRESS_DEF = PACKAGE_BUGREPORT;

/* Values for the parameters which have no short form. */
#define OPT_DEMangler 0x100
#define OPTPRETTY 0x101 /* 'p' is already used to select the process. */

/* Definitions of arguments for argp functions. */
static const struct argp_option options[] =
{
    { NULL, 0, NULL, 0, N_("Input format options:")}, 2 },
    { "section", 'j', "NAME", 0,
        N_("Treat addresses as offsets relative to NAME section.")}, 0 },
    { NULL, 0, NULL, 0, N_("Output format options:")}, 3 },
    { "addresses", 'a', NULL, 0, N_("Print address before each entry").}, 0 },
    { "basenames", 's', NULL, 0, N_("Show only base names of source files").}, 0 },
    { "absolute", 'A', NULL, 0,
        N_("Show absolute file names using compilation directory"), 0 },
    { "functions", 'f', NULL, 0, N_("Also show function names").}, 0 ],
    { "symbols", 'S', NULL, 0, N_("Also show symbol or section names").}, 0 ],
    { "symbols-sections", 'x', NULL, 0, N_("Also show symbol and the section names").}, 0 ]}


{ "flags", 'F', NULL, 0, N_("Also show line table flags"), 0 },
{ "inlines", 'i', NULL, 0,
 N_("Show all source locations that caused inline expansion of subroutines at the address."),
 0 },
{ "demangle", 'C', "ARG", OPTION_ARG_OPTIONAL,
 N_("Show demangled symbols (ARG is always ignored)"), 0 },
{ "pretty-print", OPTPRETTY, NULL, 0,
 N_("Print all information on one line, and indent inlines"), 0 },
{ NULL, 0, NULL, 0, N_("Miscellaneous:"), 0 },
/* Unsupported options. */
{ "target", 'b', "ARG", OPTION_HIDDEN, NULL, 0 },
{ "demangler", OPT_DEMANGLER, "ARG", OPTION_HIDDEN, NULL, 0 },
{ NULL, 0, NULL, 0, NULL, 0 }
};

/* Short description of program. */
static const char doc[] = N_("Locate source files and line information for ADDRs (in a.out by default). ");

/* Strings for arguments in help texts. */
static const char args_doc[] = N_("[ADDR...] ");

/* Prototype for option handler. */
static error_t parse_opt (int key, char *arg, struct argp_state *state);

static struct argp_child argp_children[2]; /* [0] is set in main. */

/* Data structure to communicate with argp functions. */
static const struct argp argp =
{ options, parse_opt, args_doc, doc, argp_children, NULL, NULL
};

/* Handle ADDR. */
static int handle_address (const char *addr, Dwfl *dwfl);

/* True when we should print the address for each entry. */
static bool print_addresses;

/* True if only base names of files should be shown. */
static bool only_basenames;

/* True if absolute file names based on DW_AT_comp_dir should be shown. */
static bool use_comp_dir;

/* True if line flags should be shown. */
static bool show_flags;

/* True if function names should be shown. */
static bool show_functions;

/* True if ELF symbol or section info should be shown. */
static bool show_symbols;

/* True if section associated with a symbol address should be shown. */
static bool show_symbol_sections;

/* If non-null, take address parameters as relative to named section. */
static const char *just_section;

/* True if all inlined subroutines of the current address should be shown. */
static bool show_inlines;

/* True if all names need to be demangled. */
static bool demangle;

/* True if all information should be printed on one line. */
static bool pretty;

#if !defined USE_DEMANGLE
static size_t demangle_buffer_len = 0;
static char *demangle_buffer = NULL;
#endif

int main (int argc, char *argv[])
{
  int remaining;
  int result = 0;

  /* We use no threads here which can interfere with handling a stream. */
  (void) __fsetlocking (stdout, FSETLOCKING_BYCALLER);

  /* Set locale. */
  (void) setlocale (LC_ALL, "");

  /* Make sure the message catalog can be found. */
  (void) bindtextdomain (PACKAGE_TARNAME, LOCALEDIR);

  /* Initialize the message catalog. */
  (void) textdomain (PACKAGE_TARNAME);

  /* Parse and process arguments. This includes opening the modules. */
  argp_children[0].argp = dwfl_standard_argp();
argp_children[0].group = 1;
Dwfl *dwfl = NULL;
(void) argp_parse (&argp, argc, argv, 0, &remaining, &dwfl);
assert (dwfl != NULL);

/* Now handle the addresses. In case none are given on the command
line, read from stdin. */
if (remaining == argc)
{
    /* We use no threads here which can interfere with handling a stream. */
    (void) __fsetlocking (stdin, FSETLOCKING_BYCALLER);

    char *buf = NULL;
    size_t len = 0;
    ssize_t chars;
    while (!feof_unlocked (stdin))
    {
        if ((chars = getline (&buf, &len, stdin)) < 0)
            break;

        if (buf[chars - 1] == '\n')
            buf[chars - 1] = '\0';

        result = handle_address (buf, dwfl);
        fflush (stdout);
    }

    free (buf);
}
else
{
    do
    { 
        result = handle_address (argv[remaining], dwfl);
        while (++remaining < argc);
    }

    dwfl_end (dwfl);

    #ifdef USE_DEMANGLE
    free (demangle_buffer);
    #endif

    return result;
}

    /* Handle program arguments. */
    static error_t
parse_opt (int key, char *arg, struct argp_state *state)
{
    switch (key)
    {
    case ARGP_KEY_INIT:
        state->child_inputs[0] = state->input;
        break;

    case 'a':
        print_addresses = true;
        break;

    case 'b':
    case 'C':
    case OPT_DEMANGLER:
        demangle = true;
        break;

    case 's':
        only_basenames = true;
        break;

    case 'A':
        use_comp_dir = true;
        break;

    case 'f':
        show_functions = true;
        break;

    case 'F':
        show_flags = true;
        break;

    case 'S':
        show_symbols = true;
        break;

    case 'x':
        show_symbols = true;
        show_symbol_sections = true;
        break;

    case 'j':
        just_section = arg;
        break;

    case 'i':
        break;
    }
show_inlines = true;
break;

case OPTPRETTY:
    pretty = true;
    break;

default:
    return ARGP_ERR_UNKNOWN;
}
return 0;

static const char *
symname (const char *name)
{
    #ifdef USE_DEMANGLE
    // Require GNU v3 ABI by the "_Z" prefix.
    if (demangle && name[0] == '_' && name[1] == 'Z')
    {
        int status = -1;
        char *dsymname = __cxa_demangle (name, demangle_buffer,
            &demangle_buffer_len, &status);
        if (status == 0)
            name = demangle_buffer = dsymname;
    }
    #endif
    return name;
}

static const char *
get_diename (Dwarf_Die *die)
{
    Dwarf_Attribute attr;
    const char *name;

    name = dwarf_formstring (dwarf_attr_integrate (die, DW_AT_MIPS_linkage_name,
        &attr) ?: dwarf_attr_integrate (die, DW_AT_LINKAGE_NAME,
        &attr));

    if (name == NULL)
        name = dwarf_diename (die) ?: "??";

    return name;
}

static bool
print_dwarf_function (Dwfl_Module *mod, Dwarf_Addr addr)
{
    Dwarf_Addr bias = 0;
    Dwarf_Die *cudie = dwfl_module_addrdie (mod, addr, &bias);

    Dwarf_Die *scopes;
    int nscopes = dwarf_getscopes (cudie, addr - bias, &scopes);
    if (nscopes <= 0)
        return false;

    bool res = false;
    for (int i = 0; i < nscopes; ++i)
        switch (dwarf_tag (&scopes[i]))
        {
            case DW_TAG_subprogram:
            {
                const char *name = get_diline (&scopes[i]);
                if (name == NULL)
                    goto done;
                printf("%s%c", symname (name), pretty ? ' ' : '
');
                res = true;
                goto done;
            }

            case DW_TAG_inlined_subroutine:
            {
                const char *name = get_diline (&scopes[i]);
                if (name == NULL)
                    goto done;
            }

            /* When using --pretty-print we only show inlines on their
             * own line. Just print the first subroutine name. */
            if (pretty)
            {
                printf("%s ", symname (name));
                res = true;
                goto done;
            }
            else
                printf("%s inlined", symname (name));
        }

    Dwarf_Files *files;
    if (dwarf_getsrcfiles (cudie, &files, NULL) == 0)
    {
        Dwarf_Attribute attr_mem;
        Dwarf_Word val;
        if (dwarf_formudata (dwarf_attr (&scopes[i],
            DW_AT_call_file,
&attr_mem), &val) == 0)
{
    const char *file = dwarf_filesrc (files, val, NULL, NULL);
    unsigned int lineno = 0;
    unsigned int colno = 0;
    if (dwarf_formudata (dwarf_attr (&scopes[i],
        DW_AT_call_line,
        &attr_mem), &val) == 0)
        lineno = val;
    if (dwarf_formudata (dwarf_attr (&scopes[i],
        DW_AT_call_column,
        &attr_mem), &val) == 0)
        colno = val;

    const char *comp_dir = ";
    const char *comp_dir_sep = "\";

    if (file == NULL)
        file = "???";
    else if (only_basenames)
        file = basename (file);
    else if (use_comp_dir && file[0] != '/')
    {
        const char *const *dirs;
        size_t ndirs;
        if (dwarf_getsrcdirs (files, &dirs, &ndirs) == 0
            && dirs[0] != NULL)
        {
            comp_dir = dirs[0];
            comp_dir_sep = "/";
        }
    }

    if (lineno == 0)
        printf (" from %s%s%s",
                comp_dir, comp_dir_sep, file);
    else if (colno == 0)
        printf (" at %s%s%s:%u",
                comp_dir, comp_dir_sep, file, lineno);
    else
        printf (" at %s%s%s:%u:%u",
                comp_dir, comp_dir_sep, file, lineno, colno);
}
printf (" in ");
continue;
}
done:
free (scopes);
return res;
}
static void
print_addrsym (Dwfl_Module *mod, GElf_Addr addr)
{
GElf_Sym s;
GElf_Off off;
const char *name = dwfl_module_addrinfo (mod, addr, &off, &s,
NULL, NULL, NULL);
if (name == NULL)
{
/* No symbol name. Get a section name instead. */
int i = dwfl_module_relocate_address (mod, &addr);
if (i >= 0)
name = dwfl_module_relocation_info (mod, i, NULL);
if (name == NULL)
printf ("??%c", pretty ? ' ': '\n');
else
printf ("(%s)+%#" PRIx64 "%c", name, addr, pretty ? ' ' : '\n');
}
else
{
name = symname (name);
if (off == 0)
printf ("%s", name);
else
printf ("%s+%#" PRIx64 "", name, off);
// Also show section name for address.
if (show_symbol_sections)
{
Dwarf_Addr ebias;
Elf_Scn *scn = dwfl_module_address_section (mod, &addr, &ebias);
if (scn != NULL)
{
GElf_Shdr shdr_mem;
GElf_Shdr *shdr = gelf_getshdr (scn, &shdr_mem);
if (shdr != NULL)
{
Elf *elf = dwfl_module_getelf (mod, &ebias);
size_t shstrndx;
if (elf_getshdrstrndx (elf, &shstrndx) >= 0)
printf (" (%s)", elf_strptr (elf, shstrndx,
shdr->sh_name));

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static int
see_one_module (Dwfl_Module *mod,
void **userdata __attribute__ ((unused)),
const char *name __attribute__ ((unused)),
Dwarf_Addr start __attribute__ ((unused)),
void *arg)
{
    Dwfl_Module **result = arg;
    if (*result != NULL)
        return DWARF_CB_ABORT;
    *result = mod;
    return DWARF_CB_OK;
}

static int
find_symbol (Dwfl_Module *mod,
void **userdata __attribute__ ((unused)),
const char *name __attribute__ ((unused)),
Dwarf_Addr start __attribute__ ((unused)),
void *arg)
{
    const char *looking_for = ((void **) arg)[0];
    GElf_Sym *symbol = ((void **) arg)[1];
    GElf_Addr *value = ((void **) arg)[2];
    int n = dwfl_module_getsymtab (mod);
    for (int i = 1; i < n; ++i)
    {
        const char *symbol_name = dwfl_module_getsym_info (mod, i, symbol,
        value, NULL, NULL,
        NULL);
        if (symbol_name == NULL || symbol_name[0] == '\0')
            continue;
        switch (GELF_ST_TYPE (symbol->st_info))
        {
            case STT_SECTION:
            case STT_FILE:
            case STT_TLS:
                break;
            default:
                if (!strcmp (symbol_name, looking_for))
                {
                    *value = (Dwarf_Addr) symbol_address;
                    return DWARF_CB_OK;
                }
        }
    }
    return DWARF_CB_ABORT;
}
{  
  ((void **) arg)[0] = NULL;  
  return DWARF_CB_ABORT;  
}  
}  
}

return DWARF_CB_OK;  
}

static bool  
adjust_to_section (const char *name, uintmax_t *addr, Dwfl *dwfl)  
{  
  /* It was (section)+offset. This makes sense if there is  
     only one module to look in for a section. */  
  Dwfl_Module *mod = NULL;  
  if (dwfl_getmodules (dwfl, &see_one_module, &mod, 0) != 0  
     || mod == NULL)  
    error (EXIT_FAILURE, 0, gettext ("Section syntax requires"  
                                      " exactly one module");)

  int nscn = dwfl_module_relocations (mod);  
  for (int i = 0; i < nscn; ++i)  
  {  
    GElf_Word shndx;  
    const char *scn = dwfl_module_relocation_info (mod, i, &shndx);  
    if (unlikely (scn == NULL))  
      break;  
    if (!strcmp (scn, name))  
    {  
      /* Found the section. */  
      GElf_Shdr shdr_mem;  
      GElf_Addr shdr_bias;  
      GElf_Shdr *shdr = gelf_getshdr  
        (elf_getscn (dwfl_module_getelf (mod, &shdr_bias), shndx),  
         &shdr_mem);  
      if (unlikely (shdr == NULL))  
        break;

      if (*addr >= shdr->sh_size)  
        error (0, 0,  
               gettext ("offset %" PRIxMAX " lies outside"  
                         " section '%s'"),  
               *addr, scn);  

      *addr += shdr->sh_addr + shdr_bias;  
      return true;  
    }  
  }
return false;
}

static void
print_src (const char *src, int lineno, int linecol, Dwarf_Die *cu)
{
    const char *comp_dir = "";
    const char *comp_dir_sep = "";

    if (only_basenames)
        src = basename (src);
    else if (use_comp_dir && src[0] != '/')
    {
        Dwarf_Attribute attr;
        comp_dir = dwarf_formstring (dwarf_attr (cu, DW_AT_comp_dir, &attr));
        if (comp_dir != NULL)
            comp_dir_sep = ";
    }

    if (linecol != 0)
        printf ("%s%s%s:%d:%d",
                comp_dir, comp_dir_sep, src, lineno, linecol);
    else
        printf ("%s%s%s:%d",
                comp_dir, comp_dir_sep, src, lineno);
}

static int
get_addr_width (Dwfl_Module *mod)
{
    // Try to find the address width if possible.
    static int width = 0;
    if (width == 0 && mod != NULL)
    {
        Dwarf_Addr bias;
        Elf *elf = dwfl_module_getelf (mod, &bias);
        if (elf != NULL)
        {
            GElf_Ehdr ehdr_mem;
            GElf_Ehdr *ehdr = gelf_getehdr (elf, &ehdr_mem);
            if (ehdr != NULL)
                width = ehdr->e_ident[EI_CLASS] == ELFCLASS32 ? 8 : 16;
        }
    }
    if (width == 0)
        width = 16;
return width;
}

static int handle_address (const char *string, Dwfl *dwfl)
{
    char *endp;
    uintmax_t addr = strtoumax (string, &endp, 16);
    if (endp == string || *endp != '\0')
    {
        bool parsed = false;
        int i, j;
        char *name = NULL;
        if (sscanf (string, "(%m[^\)])%" PRIiMAX "%n", &name, &addr, &i) == 2
            && string[i] == '\0')
            parsed = adjust_to_section (name, &addr, dwfl);
        switch (sscanf (string, "%m[^-+]%n" PRIiMAX "%n", &name, &i, &addr, &j))
        {
            default:
                break;
            case 1:
                addr = 0;
                j = i;
                FALLTHROUGH;
            case 2:
                if (string[j] != '\0')
                    break;
                /* It was symbol[+offset]. */
                GElf_Sym sym;
                GElf_Addr value = 0;
                void *arg[3] = { name, &sym, &value };
                (void) dwfl_getmodules (dwfl, &find_symbol, arg, 0);
                if (arg[0] != NULL)
                    error (0, 0, gettext ("cannot find symbol '%s'"), name);
                else
                {
                    if (sym.st_size != 0 && addr >= sym.st_size)
                        error (0, 0,
                            gettext ("offset %#" PRIxMAX " lies outside" " contents of '%s'"),
                            addr, name);
                
                addr += value;
                parsed = true;
            
            break;
        }
}
free (name);
    if (!parsed)
        return 1;
  }
else if (just_section != NULL
    && !adjust_to_section (just_section, &addr, dwfl))
    return 1;

Dwfl_Module *mod = dwfl_addrmodule (dwfl, addr);

if (print_addresses)
  {
    int width = get_addr_width (mod);
    printf ("0x%." PRIx64 "%s", width, addr, pretty ? " : " : \n");
  }

if (show_functions)
  {
    /* First determine the function name. Use the DWARF information if
     * possible. */
    if (! print_dwarf_function (mod, addr) && !show_symbols)
    {
      const char *name = dwfl_module_addrname (mod, addr);
      name = name != NULL ? symname (name) : "??";
      printf ("%s%c", name, pretty ? ' ' : \n");
    }
  }

if (show_symbols)
  print_addrsym (mod, addr);

if ((show_functions || show_symbols) && pretty)
  printf ("at ");

Dwfl_Line *line = dwfl_module_getsrc (mod, addr);

const char *src;
int linen, linecol;

if (line != NULL && (src = dwfl_lineinfo (line, &addr, &linen, &linecol,
    NULL, NULL)) != NULL)
  {
    print_src (src, linen, linecol, dwfl_linecu (line));
    if (show_flags)
    {
      Dwarf_Addr bias;
      Dwarf_Line *info = dwfl_dwarf_line (line, &bias);
assert (info != NULL);

inline void show (int (*get) (Dwarf_Line *, bool *),
    const char *note)
{
    bool flag;
    if ((*get) (info, &flag) == 0 && flag)
        fputs (note, stdout);
}

inline void show_int (int (*get) (Dwarf_Line *, unsigned int *),
    const char *name)
{
    unsigned int val;
    if ((*get) (info, &val) == 0 && val != 0)
        printf (" (%s %u)", name, val);
}

show (&dwarf_linebeginstatement, " (is_stmt)");
show (&dwarf_lineblock, " (basic_block)");
show (&dwarf_lineprologueend, " (prologue_end)");
show (&dwarf_lineepiloguebegin, " (epilogue_begin)");
show_int (&dwarf_lineisa, "isa");
show_int (&dwarf_linediscriminator, "discriminator");
}

putchar (\n);

else
    puts ("??:0");

if (show_inlines)
{
    Dwarf_Addr bias = 0;
    Dwarf_Die *cudie = dwfl_module_addrdie (mod, addr, &bias);

    Dwarf_Die *scopes = NULL;
    int nscopes = dwarf_getscopes (cudie, addr - bias, &scopes);
    if (nscopes < 0)
        return 1;

    if (nscopes > 0)
    {
        Dwarf_Die subroutine;
        Dwarf_Off dieoff = dwarf_dieoffset (&scopes[0]);
        dwarf_offdie (dwfl_module_getdwarf (mod, &bias),
            dieoff, &subroutine);
        free (scopes);
        scopes = NULL;
    }
nsccopes = dwarf_getscopies_die (&subroutine, &scopes);
if (nscopes > 1)
{
    Dwarf_Die cu;
    Dwarf_Files *files;
    if (dwarf_diecu (&scopes[0], &cu, NULL, NULL) != NULL
&& dwarf_getsrcfiles (cudie, &files, NULL) == 0)
    {
        for (int i = 0; i < nscopes - 1; i++)
        {
            Dwarf_Word val;
            Dwarf_Attribute attr;
            Dwarf_Die *die = &scopes[i];
            if (dwarf_tag (die) != DW_TAG_inlined_subroutine)
                continue;

            if (pretty)
                printf (" (inlined by) ");

            if (show_functions)
            {
                /* Search for the parent inline or function. It
                 might not be directly above this inline -- e.g.
                 there could be a lexical_block in between. */
                for (int j = i + 1; j < nscopes; j++)
                {
                    Dwarf_Die *parent = &scopes[j];
                    int tag = dwarf_tag (parent);
                    if (tag == DW_TAG_inlined_subroutine
                        || tag == DW_TAG_entry_point
                        || tag == DW_TAG_subprogram)
                        
                        printf ("%s%s",
                            symname (get_diename (parent)),
                            pretty ? " at " : "\n"));
                        break;
                }
            }
            
            src = NULL;
            lineno = 0;
            linecol = 0;
            if (dwarf_formudata (dwarf_attr (die, DW_AT_call_file,
                        &attr), &val) == 0)
                src = dwarf_filesrc (files, val, NULL, NULL);

            if (dwarf_formudata (dwarf_attr (die, DW_AT_call_line,
&attr), &val) == 0)
lineno = val;

if (dwarf_formudata (dwarf_attr (die, DW_AT_call_column, &attr), &val) == 0)
linecol = val;

if (src != NULL)
{
print_src (src, lineno, linecol, &cu);
putchar (‘\n’);
}
else
puts ("??:0");
}

free (scopes);
}

return 0;
}

#include "debugpred.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.

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

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

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

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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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END OF TERMS AND CONDITIONS

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

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A "library" means a collection of software functions and/or data
prepared so as to be conveniently linked with application programs
(which use some of those functions and data) to form executables.
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

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

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

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

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

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

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

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

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

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designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don’t assume that anything in it is the same as in the ordinary license.

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

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

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

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

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

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

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

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
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is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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application-supplied function or table used by this function must
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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Version 2, June 1991

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This is free software, and you are welcome to redistribute it
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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#!/usr/bin/env python

# Copyright (C) 2011-2013 Free Software Foundation, Inc.
#
# This file is part of GDB.
#
# This program is free software; you can redistribute it and/or modify
# it under the terms of the GNU General Public License as published by
# the Free Software Foundation; either version 3 of the License, or
# (at your option) any later version.
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.
    ""

    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    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("gnulib/import/extra/update-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 BY_HAND:
        print
print "\033[31mREMINDER: The following files must be updated by hand." \\
"\033[0m"
for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:
    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/CONTRIBUTE', 'gdb/gnulib' )

# 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", "aclocal.m4", )

# The list of files to update by hand.
BY_HAND = ( # These files are sensitive to line numbering.
    "gdb/testsuite/gdb.base/step-line.inp",
    "gdb/testsuite/gdb.base/step-line.c",
    )

# 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/armcopro.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/erc32/sis.h", "sim/erc32/erc32.c", "sim/erc32/func.c",
  "sim/erc32/float.c", "sim/erc32/interf.c", "sim/erc32/sis.c",
  "sim/erc32/exec.c",
  "sim/mips/m16run.c", "sim/mips/sim-main.c",
  "sim/moxie/moxie-gdb.dts",
  "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/lid-instr.h",
  "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/idecode_branch.h",
  "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
  "sim/ppc/gen-support.c", "sim/ppc/gen-semantic.h", "sim/ppc/cpu.h",
  "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
  "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01",
  "sim/ppc/hw_phb.c", "sim/ppc/hw_eeprom.c", "sim/ppc/bits.h",
  "sim/ppc/hw_vm.c", "sim/ppc/cap.h", "sim/ppc/os_emul.h",
  "sim/ppc/options.h", "sim/ppc/gen-idecode.c", "sim/ppc/filter.c",
  "sim/ppc/corefile-n.h", "sim/ppc/std-config.h", "sim/ppc/lid-decode.h",
  "sim/ppc/filter_filename.h", "sim/ppc/hw_shm.c",
  "sim/ppc/pk_disklabel.c", "sim/ppc/dc-simple", "sim/ppc/misc.h",
  "sim/ppc/device_table.h", "sim/ppc/lid-instr.c", "sim/ppc/inline.c",
  "sim/ppc/emul_bugapi.h", "sim/ppc/hw_cpu.h", "sim/ppc/debug.h",
  "sim/ppc/hw_ide.c", "sim/ppc/debug.c", "sim/ppc/gen-table.h",
  "sim/ppc/interrupts.c", "sim/ppc/hw_kernel.c", "sim/ppc/emul_unix.c",
  "sim/ppc/sim_calls.c", "sim/ppc/dc-complex", "sim/ppc/lid-cache.c",
  "sim/ppc/registers.h", "sim/ppc/dc-test.02", "sim/ppc/options.c",
  "sim/ppc/igen.h", "sim/ppc/registers.c", "sim/ppc/device.h",
  "sim/ppc/emul_chirp.h", "sim/ppc/hw_register.c", "sim/ppc/hw_init.c",
  "sim/ppc/sim-endian-n.h", "sim/ppc/filter_filename.c",  
)
"sim/ppc/bits.c", "sim/ppc/idecode_fields.h", "sim/ppc/hw_memory.c", 
"sim/ppc/misc.c", "sim/ppc/double.c", "sim/ppc/psim.h",
"sim/ppc/hw_trace.c", "sim/ppc/emul_netbsd.h", "sim/ppc/psim.c",
"sim/ppc/ppc-instructions", "sim/ppc/tree.h", "sim/ppc/README",
"sim/ppc/gen-icache.h", "sim/ppc/gen-model.c", "sim/ppc/id-cache.h",
"sim/ppc/mem.c", "sim/ppc/corefile.h", "sim/ppc/vm.c",
"sim/ppc/INSTALL", "sim/ppc/gen-model.c", "sim/ppc/hw_cpu.c",
"sim/ppc/corefile.c", "sim/ppc/hw_opic.c", "sim/ppc/gen-icache.c",
"sim/ppc/events.h", "sim/ppc/os_emul.c", "sim/ppc/emul_generic.c",
"sim/ppc/main.c", "sim/ppc/hw_com.c", "sim/ppc/gen-semantics.c",
"sim/ppc/emul_bugapi.c", "sim/ppc/device.c", "sim/ppc/emul_generic.h",
"sim/ppc/tree.c", "sim/ppc/mon.c", "sim/ppc/interrupts.h",
"sim/ppc/cap.c", "sim/ppc/cpu.c", "sim/ppc/hw_phb.h",
"sim/ppc/device_table.c", "sim/ppc/If.c", "sim/ppc/If.c",
"sim/ppc/dc-stupid", "sim/ppc/hw_pal.c", "sim/ppc/ppc-spr-table",
"sim/ppc/emul_unix.h", "sim/ppc/words.h", "sim/ppc/basics.h",
"sim/ppc/hw_htab.c", "sim/ppc/If.h", "sim/ppc/id-decode.c",
"sim/ppc/sim-endian.c", "sim/ppc/gen-itable.c",
"sim/ppc/idecode_expression.h", "sim/ppc/table.h", "sim/ppc/dgen.c",
"sim/ppc/events.c", "sim/ppc/gen-idecode.h", "sim/ppc/emul_netbsd.c",
"sim/ppc/igen.c", "sim/ppc/vm_n.h", "sim/ppc/vm.h",
"sim/ppc/hw_iobus.c", "sim/ppc/inline.h",
"sim/testsuite/sim/bfin/s21.s", "sim/testsuite/sim/mips/mips32-dsp2.s",
)

if __name__ == "__main__":
    main()
BEGIN{
    FS="";
    print "/* ==> Do not modify this file!!  " \
"-* buffer-read-only: t -* vi" \ 
"*:set ro:";
    print "  It is created automatically by copying.awk.;"
    print "  Modify copying.awk instead. <= *= */";
    print "";
    print "#include \"defs.h\""
    print "#include \"command.h\""
    print "#include \"gdbcmd.h\"
    print ""
    print "static void show_copying_command (char *, int);"
    print "";
    print "static void show_warranty_command (char *, int);"
    print "";
    print "void _initialize_copying (void);
    print "
    print "static void;"
    print "show_copying_command (char *ignore, int from_tty);"
    print "}";
} 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", $1;
    printf "%s\n\n", $NF;
  }
}
END {NR == 1./* ]*15. Disclaimer of Warranty. */$/{
  printf "  printf_filtered ("\n"
"

";
  for (i = 1; i < NF; i++)
  printf "  printf_filtered ("%s\n", $1;
    printf "%s\n\n", $NF;
  }
}
END{print "}";
print ""
print "static void"
print "show_warranty_command (char *ignore, int from_tty)"
print "{
"
if (! ($0 ~ /END OF TERMS AND CONDITIONS/))
{
  printf "  printf_filtered ("\n"
"

";
  for (i = 1; i < NF; i++)
  printf "  printf_filtered ("%s\n", $1;
    printf "%s\n\n", $NF;
  }
}
}
END{print "}";
print ""
print "void"
print "_initialize_copying (void)"
print "{
"
print "  add_cmd ("copying", no_set_class, show_copying_command,"
    _("Conditions for redistributing copies of GDB."),
    &showlist);"
print "  add_cmd ("warranty", no_set_class, show_warranty_command,"
    _("Various kinds of warranty you do not have."),
    &showlist);"
print "  /* For old-timers, allow "info copying", etc. */"
print "  add_info ("copying", show_copying_command,"
    _("Conditions for redistributing copies of GDB."));"
print "  add_info ("warranty", show_warranty_command,"
    _("Various kinds of warranty you do not have."));";
Every open source used in Unified Communications Manager Release 12.5.1 SU2 12.5

---

```
print "}";
}
@end ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
Copyright @copyright{} 2007 Free Software Foundation, Inc. @url{http://fsf.org/}

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@c man end
@end ignore
@c man begin DESCRIPTION
@appendix GNU GENERAL PUBLIC LICENSE
@c The GNU General Public License.
@c center Version 3, 29 June 2007

@c This file is intended to be included within another document,
c@c hence no sectioning command or @node.

@end display
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@item
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@item
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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
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Otherwise, if the work is a derivative of the Library, you may
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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Version 2.1, February 1999
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   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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

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

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

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uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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.

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than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
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specified materials from the same place.

e) Verify that the user has already received a copy of these
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which the executable runs, unless that component itself accompanies
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It may happen that this requirement contradicts the license
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A "covered work" means either the unmodified Program or a work based on the Program.

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

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

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

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

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

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

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From RPM File Metadata:GPLv3+ and LGPLv2+
/* gettext - retrieve text string from message catalog and print it.
 Written by Ulrich Drepper <drepper@gnu.ai.mit.edu>, May 1995.

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#define _(str) gettext (str)

/* If true, add newline after last string. This makes only sense in  
the 'echo' emulation mode. */
static bool add_newline;

/* If true, expand escape sequences in strings before looking in the  
message catalog. */
static bool do_expand;

/* Long options. */
static const struct option long_options[] =  
{  
  { "domain", required_argument, NULL, 'd' },  
  { "help", no_argument, NULL, 'h' },  
  { "shell-script", no_argument, NULL, 's' },  
  { "version", no_argument, NULL, 'V' },  
  { NULL, 0, NULL, 0 }  
};
/* Forward declaration of local functions. */
static void usage (int status)
#if defined __GNUC__ && ((__GNUC__ == 2 && __GNUC_MINOR__ >= 5) || __GNUC__ > 2)
__attribute__ ((noreturn))
#endif
;
static const char *expand_escape (const char *str);

int
main (int argc, char *argv[])
{
  int optchar;
  const char *msgid;

  /* Default values for command line options. */
  bool do_help = false;
  bool do_shell = false;
  bool do_version = false;
  const char *domain = getenv ("TEXTDOMAIN");
  const char *domaindir = getenv ("TEXTDOMAINDIR");
  add_newline = true;
  do_expand = false;

  /* Set program name for message texts. */
  set_program_name (argv[0]);

  #ifdef HAVE_SETLOCALE
  /* Set locale via LC_ALL. */
  setlocale (LC_ALL, "");
  #endif

  /* Set the text message domain. */
  bindtextdomain (PACKAGE, relocate (LOCALEDIR));
  textdomain (PACKAGE);

  /* Ensure that write errors on stdout are detected. */
  atexit (close_stdout);

  /* Parse command line options. */
  while ((optchar = getopt_long (argc, argv, "+d:eEhnsV", long_options, NULL))
    != EOF)
    switch (optchar)
    {
      case ’0’:     /* Long option. */
        break;
      case ’d’:
        domain = optarg;
break;
case 'e':
   do_expand = true;
break;
case 'E':
   /* Ignore. Just for compatibility. */
break;
case 'h':
do_help = true;
break;
case 'n':
   add_newline = false;
break;
case 's':
do_shell = true;
break;
case 'V':
do_version = true;
break;
default:
   usage (EXIT_FAILURE);
}

/* Version information is requested. */
if (do_version)
{
   printf ("%s (GNU %s) %s\n", basename (program_name), PACKAGE, VERSION);
   /* xgettext: no-wrap */
   printf (_("Copyright (C) %s Free Software Foundation, Inc.\n"),
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>\n
This is free software: you are free to change and redistribute it.\n
There is NO WARRANTY, to the extent permitted by law.\n"),
   printf ("Written by %s.\n", proper_name ("Ulrich Drepper"));
   exit (EXIT_SUCCESS);
}

/* Help is requested. */
if (do_help)
   usage (EXIT_SUCCESS);

/* We have two major modes: use following Uniforum spec and as 
   internationalized 'echo' program. */
if (!do_shell)
{
   /* We have to write a single strings translation to stdout. */
/* Get arguments. */
switch (argc - optind)
{
    default:
        error (EXIT_FAILURE, 0, _("too many arguments"));

    case 2:
        domain = argv[optind++];
        /* FALLTHROUGH */
    case 1:
        break;

    case 0:
        error (EXIT_FAILURE, 0, _("missing arguments"));
}

msgid = argv[optind++];

/* Expand escape sequences if enabled. */
if (do_expand)
   msgid = expand_escape (msgid);

/* If no domain name is given we don’t translate. */
if (domain == NULL || domain[0] == '\0')
{
    fputs (msgid, stdout);
}
else
{
    /* Bind domain to appropriate directory. */
    if (domainindir != NULL && domainindir[0] != '\0')
        bindtextdomain (domain, domainindir);

    /* Write out the result. */
    fputs (dgettext (domain, msgid), stdout);
}
else
{
    if (optind < argc)
    {
        /* If no domain name is given we print the original string.
         * We mark this assigning NULL to domain. */
        if (domain == NULL || domain[0] == '\0')
            domain = NULL;
        else
            /* Bind domain to appropriate directory. */
    
...
if (domaindir != NULL && domaindir[0] != '\0')
bindtextdomain (domain, domaindir);

/* We have to simulate 'echo'. All arguments are strings. */
do{
   msgid = argv[optind++];

    /* Expand escape sequences if enabled. */
    if (do_expand)
        msgid = expand_escape (msgid);

    /* Write out the result. */
    fputs (domain == NULL ? msgid : dgettext (domain, msgid), stdout);

    /* We separate the arguments by a single ' '. */
    if (optind < argc)
        fputc (' ', stdout);
}

/* If not otherwise told: add trailing newline. */
if (add_newline)
    fputc ('\n', stdout);

exit (EXIT_SUCCESS);

/* Display usage information and exit. */
static void
usage (int status)
{
    if (status != EXIT_SUCCESS)
        fprintf (stderr, _("Try '%s --help' for more information.'\n"),
            program_name);
    else
        /* xgettext: no-wrap */
        printf (_("%
Usage: %s [OPTION] [[TEXTDOMAIN] MSGID]\nor: %s [OPTION] -s [MSGID]\n"),
            program_name, program_name);
        printf ("\n");
    /* xgettext: no-wrap */
Display native language translation of a textual message.

/* xgettext: no-wrap */
printf (_("Display native language translation of a textual message.
"));
printf ("\n");
/* xgettext: no-wrap */
printf (_("\n"));

-d, --domain=TEXTDOMAIN  retrieve translated messages from TEXTDOMAIN
-e enable expansion of some escape sequences
-E (ignored for compatibility)
-h, --help display this help and exit
-n suppress trailing newline
-V, --version display version information and exit

[TEXTDOMAIN] MSGID retrieve translated message corresponding
to MSGID from TEXTDOMAIN

If the TEXTDOMAIN parameter is not given, the domain is determined from the
environment variable TEXTDOMAIN. If the message catalog is not found in the
regular directory, another location can be specified with the environment
variable TEXTDOMAINDIR.

When used with the -s option the program behaves like the 'echo' command.
But it does not simply copy its arguments to stdout. Instead those messages
found in the selected catalog are translated.

Standard search directory: %s

fputs (_("Report bugs to <bug-gnu-gettext@gnu.org>
"), stdout);
}
exit (status);

/* Expand some escape sequences found in the argument string. */
static const char *
expand_escape (const char *str)
{
    char *retval, *rp;
    const char *cp = str;
    for (; ;)
    {
        while (cp[0] != '\0' && cp[0] != '\n')
            ++cp;

        /* Expand some escape sequences found in the argument string. */
        static const char *
        expand_escape (const char *str)
        {
            char *retval, *rp;
            const char *cp = str;
            for (; ;)
            {
                while (cp[0] != '\0' && cp[0] != '\n')
                    ++cp;
                    // Some code...
if (cp[0] == '\0')
    return str;
/* Found a backslash. */
if (cp[1] == '\0')
    return str;
if (strchr ("abcfnrtv\01234567", cp[1]) != NULL)
    break;
    ++cp;
}

retval = XNMALLOC (strlen (str), char);

rp = retval + (cp - str);
memcpy (retval, str, cp - str);
do
|
/* Here cp[0] == '\'. */
switch (*++cp)
|
  |
  case 'a':       /* alert */
  |   *rp++ = 'a';
  |   ++cp;
  |   break;
  |
  case 'b':       /* backspace */
  |   *rp++ = 'b';
  |   ++cp;
  |   break;
  |
  case 'c':       /* suppress trailing newline */
  |   add_newline = false;
  |   ++cp;
  |   break;
  |
  case 'f':       /* form feed */
  |   *rp++ = 'f';
  |   ++cp;
  |   break;
  |
  case 'n':       /* new line */
  |   *rp++ = 'n';
  |   ++cp;
  |   break;
  |
  case 'r':       /* carriage return */
  |   *rp++ = 'r';
  |   ++cp;
  |   break;
  |
  case 't':       /* horizontal tab */
  |   *rp++ = 't';
  |   ++cp;
  |   break;
case 'v':            /* vertical tab */
    *rp++ = 'v';
    ++cp;
    break;

case 'n':
    *rp = 'n';
    ++cp;
    break;

case '0': case '1': case '2': case '3':
    case '4': case '5': case '6': case '7':
    {
        int ch = *cp++ - '0';

        if (*cp >= '0' && *cp <= '7')
        {
            ch *= 8;
            ch += *cp++ - '0';

            if (*cp >= '0' && *cp <= '7')
            {
                ch *= 8;
                ch += *cp++ - '0';
            }
        }
        *rp = ch;
    }
    break;

default:
    *rp = '\';
    break;
}

while (cp[0] != '0' && cp[0] != 'n')
    *rp++ = *cp++;
}
while (cp[0] != '0');

/* Terminate string. */
*rp = '\0';

return (const char *) retval;
}

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

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

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

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that 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.

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<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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

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

That's all there is to it!

commit ef7344f09c5ce00eb519ed14598b2a8e39c68387
Author: Joseph Myers <joseph@codesourcery.com>
Date:   Sun Dec 22 14:49:48 2013 +0000

Flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

As discussed in
<https://sourceware.org/ml/libc-alpha/2012-04/msg00840.html> and
<https://sourceware.org/ml/libc-alpha/2012-04/msg00989.html>, it seems
appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes
are: update paths in sysdeps/mach/hurd/Implies and
sysdeps/unix/sysv/linux/wait3.c; merge the two syscalls.list files,
with the removal of syscalls that were in
sysdeps/unix/bsd/syscalls.list but overridden in the bsd4.4 directory
by .c files there.

Tested x86_64. The installed shared libraries are identical before
and after the patch except for libc.so where the move of wait3.c
(included by sysdeps/unix/sysv/linux/wait3.c) affects debug info, but
the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscalls.list (chflags): Add entry from
sysdeps/unix/bsd/bsd4.4/syscalls.list.
(fchflags): Likewise.
(revoke): Likewise.
(setlogin): Likewise.
(sigaltstack): Likewise.
(wait4): Likewise.
(sigblock): Remove.
(sigsetmask): Likewise.
(wait3): Likewise.
(waitpid): Likewise.
* sysdeps/unix/bsd/bsd4.4/syscalls.list: Remove file.
* sysdeps/unix/sysv/linux/wait3.c: Update directory of included
file.
Open Source Used In Unified Communications Manager Release 12.5.1 SU2 12.5

diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234c1fd1522 100644
--- a/sysdeps/mach/hurd/Implies
+++ b/sysdeps/mach/hurd/Implies
@@ -2,4 +2,4 @@
# Hurd-based GNU systems.
gnu
# The Hurd provides a rough superset of the functionality of 4.4 BSD.
-unix/bsd/bsd4.4
+unix/bsd
diff --git a/sysdeps/unix/bsd/bsd4.4/Makefile b/sysdeps/unix/bsd/Makefile
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Makefile
rename to sysdeps/unix/bsd/Makefile
diff --git a/sysdeps/unix/bsd/bsd4.4/Version b/sysdeps/unix/bsd/Version
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Version
rename to sysdeps/unix/bsd/Version
diff --git a/sysdeps/unix/bsd/bsd4.4/bits/socketaddr.h b/sysdeps/unix/bsd/bits/socketaddr.h
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/bits/socketaddr.h
rename from sysdeps/unix/bsd/bits/socketaddr.h
rename to sysdeps/unix/bsd/bits/sockaddr.h
diff --git a/sysdeps/unix/bsd/bsd4.4/syscalls.list b/sysdeps/unix/bsd/bsd4.4/syscalls.list
deleted file mode 100644
index a4d3546854d24ac61..0000000000000000
--- a/sysdeps/unix/bsd/bsd4.4/syscalls.list
+++ /dev/null
@@ -1,8 +0,0 @@
-# File nameCallerSyscall name# argsStrong nameWeak names
-
-chflags-chflags2chflags
-fchflags-fchflags2fchflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstack
-wait4-wait4wait4

diff --git a/sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c b/sysdeps/unix/bsd/cmsg_nxthdr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c
rename to sysdeps/unix/bsd/cmsg_nxthdr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigblock.c b/sysdeps/unix/bsd/sigblock.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigblock.c
rename to sysdeps/unix/bsd/sigblock.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigsetmask.c b/sysdeps/unix/bsd/sigsetmask.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigsetmask.c
rename to sysdeps/unix/bsd/sigsetmask.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigvec.c b/sysdeps/unix/bsd/sigvec.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigvec.c
rename to sysdeps/unix/bsd/sigvec.c
diff --git a/sysdeps/unix/bsd/syscalls.list b/sysdeps/unix/bsd/syscalls.list
index e84819dc1f19d148..9f48a144d475f342 100644
--- a/sysdeps/unix/bsd/syscalls.list
+++ b/sysdeps/unix/bsd/syscalls.list
@@ -1,14 +1,16 @@
# File nameCallerSyscall name# argsStrong nameWeak names
+
+chflags-chflags2chflags
+fchflags-fchflags2fchflags
flock-flock2__flockflock
getdents-getdirentries4__getdirentriesgetdirentries
getdtsz-getdtablesize0__getdtablesizegetdtablesize
getpagesize-getpagesize0__getpagesizegetpagesize
killpg-killpg2killpg
-sigblock-sigblock1__sigblocksigblock
+revoke-revoke1revoke
+setlogin-setlogin2setlogin
+sigaltstack-sigaltstack2__sigaltstacksigaltstack
-sigpause-sigpause1__sigpausesigpause
-sigsetmask-sigsetmask1__sigsetmaskssigsetmask
sigstack-sigstack2sigstack
-sigvec-sigvec3__sigvecsigsigvec
-wait3-wait33__wait3wait3
-waitpid-waitpid3__waitpidwaitpid
+wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd4.4/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcdrain.c
rename to sysdeps/unix/bsd/tcdrain.c
diff --git a/sysdeps/unix/bsd4.4/tcgetattr.c b/sysdeps/unix/bsd/tcgetattr.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcgetattr.c
rename to sysdeps/unix/bsd/tcgetattr.c
diff --git a/sysdeps/unix/bsd4.4/tcsetattr.c b/sysdeps/unix/bsd/tcsetattr.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/tcsetattr.c
rename to sysdeps/unix/bsd/tcsetattr.c
diff --git a/sysdeps/unix/bsd4.4/wait.c b/sysdeps/unix/bsd/wait.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait.c
rename to sysdeps/unix/bsd/wait.c
diff --git a/sysdeps/unix/bsd4.4/wait3.c b/sysdeps/unix/bsd/wait3.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/wait3.c
rename to sysdeps/unix/bsd/wait3.c
diff --git a/sysdeps/unix/bsd4.4/waitpid.c b/sysdeps/unix/bsd/waitpid.c
similarity index 100%
rename from sysdeps/unix/bsd4.4/waitpid.c
rename to sysdeps/unix/bsd/waitpid.c
index 0b3bdee7771782b7b..2ff027f0e1d83eb2 100644
--- a/sysdeps/unix/sysv/linux/wait3.c
+++ b/sysdeps/unix/sysv/linux/wait3.c
@@ -1 +1 @@
-#include <sysdeps/unix/bsd4.4/wait3.c>
+#include <sysdeps/unix/bsd/wait3.c>

1.140 gmp 6.0.0 :15.el7
1.140.1 Available under license:
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Version 3, 29 June 2007

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#include <config.h>
#include <errno.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <assert.h>
#ifdef HAVE_STAT
# include <sys/stat.h>
#endif
#include "util.h"
#include "i18n.h"
#include "sysutils.h"
#include "../common/openpgpdefs.h"
#include "gpgtar.h"

/* Constants to identify the commands and options. */
enum cmd_and_opt_values
{
    aNull = 0,
    aEncrypt = 'e',
    aDecrypt = 'd',
    aSign = 's',
    aList = 't',
    oSymmetric = 'c',
    oRecipient = 'r',
    oUser = 'u',
    oOutput = 'o',
    oQuiet = 'q',
    oVerbose = 'v',
    oFilesFrom = 'T',
    oNoVerbose = 500,
aSignEncrypt,
oSkipCrypto,
oOpenPGP,
oCMS,
oSetFilename,
oNull
}

/* The list of commands and options. */
static ARGPARSE_OPTS opts[] = {
  ARGPARSE_group (300, N_("@Commands:
 ")),
  ARGPARSE_c (aEncrypt, "encrypt", N_("create an archive")),
  ARGPARSE_c (aDecrypt, "decrypt", N_("extract an archive")),
  ARGPARSE_c (aSign, "sign", N_("create a signed archive")),
  ARGPARSE_c (aList, "list-archive", N_("list an archive")),

  ARGPARSE_group (301, N_("@\nOptions: \n ")),
  ARGPARSE_s_n (oSymmetric, "symmetric", N_("use symmetric encryption")),
  ARGPARSE_s_s (oRecipient, "recipient", N_("[USER-ID]encrypt for USER-ID")),
  ARGPARSE_s_s (oUser, "local-user",
               N_("[USER-ID]use USER-ID to sign or decrypt")),
  ARGPARSE_s_s (oOutput, "output", N_("[FILE]write output to FILE")),
  ARGPARSE_s_n (oVerbose, "verbose", N_("verbose")),
  ARGPARSE_s_n (oQuiet,"quiet", N_("be somewhat more quiet")),
  ARGPARSE_s_s (oSkipCrypto, "skip-crypto", N_("skip the crypto processing")),
  ARGPARSE_s_s (oSetFilename, "set-filename", ",@"),
  ARGPARSE_s_s (oFilesFrom, "files-from",
               N_("[FILE]get names to create from FILE")),
  ARGPARSE_s_n (oNull, "null", N_("-T reads null-terminated names")),
  ARGPARSE_s_n (oOpenPGP, "openpgp", ",@"),
  ARGPARSE_s_n (oCMS, "cms", ",@"),

  ARGPARSE_end ()
};

static void tar_and_encrypt (char **inpattern);
static void decrypt_and_untar (const char *fname);
static void decrypt_and_list (const char *fname);

/* Print usage information and and provide strings for help. */
static const char *
my_strusage( int level )
{
    const char *p;

    switch (level)
    {
    case 11: p = "gpgtar (GnuPG)"; break;
    case 13: p = VERSION; break;
    case 17: p = PRINTABLE_OS_NAME; break;
    case 19: p = _("Please report bugs to <EMAIL>@\n"); break;
    case 1:
    case 40:
        p = _("Usage: gpgtar [options] [files] [directories] (-h for help)"); break;
    case 41:
        p = _("Syntax: gpgtar [options] [files] [directories]\n"
        "Encrypt or sign files into an archive\n"); break;
    default: p = NULL; break;
    }
    return p;
}

static void
set_cmd (enum cmd_and_opt_values *ret_cmd, enum cmd_and_opt_values new_cmd)
{
    enum cmd_and_opt_values cmd = *ret_cmd;

    if (!cmd || cmd == new_cmd)
        cmd = new_cmd;
    else if (cmd == aSign && new_cmd == aEncrypt)
        cmd = aSignEncrypt;
    else if (cmd == aEncrypt && new_cmd == aSign)
        cmd = aSignEncrypt;
    else
    {
        log_error (_("conflicting commands\n"));
        exit (2);
    }

    *ret_cmd = cmd;
}
/* gpgtar main. */
int
main (int argc, char **argv)
{
ARGPARSE_ARGS pargs;
const char *fname;
int no_more_options = 0;
enum cmd_and_opt_values cmd = 0;
int skip_crypto = 0;
const char *files_from = NULL;
int null_names = 0;

assert (sizeof (struct ustar_raw_header) == 512);

gnupg_reopen_std ("gpgtar");
set_strusage (my_strusage);
log_set_prefix ("gpgtar", 1);

/* Make sure that our subsystems are ready. */
i18n_init();
init_common_subsystems ();

/* Parse the command line. */
pargs.argc = &argc;
pargs.argv = &argv;
pargs.flags = ARGPARSE_FLAG_KEEP;
while (!no_more_options && optfile_parse (NULL, NULL, NULL, &pargs, opts))
{
    switch (pargs.r_opt)
    {
    case oOutput: opt.outfile = pargs.r.ret_str; break;
    case oSetFilename: opt.filename = pargs.r.ret_str; break;
    case oQuiet: opt.quiet = 1; break;
    case oVerbose: opt.verbose++; break;
    case oNoVerbose: opt.verbose = 0; break;
    case oFilesFrom: files_from = pargs.r.ret_str; break;
    case oNull: null_names = 1; break;
    case aList:
        case aDecrypt:
        case aEncrypt:
        case aSign:
            set_cmd (&cmd, pargs.r_opt);
            break;
        case oSymmetric:
set_cmd (&cmd, aEncrypt);
opt.symmetric = 1;
break;

case oSkipCrypto:
    skip_crypto = 1;
    break;

case oOpenPGP: /* Dummy option for now. */ break;
case oCMS:     /* Dummy option for now. */ break;

    default: pargs.err = 2; break;
}

if ((files_from && !null_names) || (!files_from && null_names))
    log_error("--files-from and --null may only be used in conjunction\n");
if (files_from && strcmp (files_from, "."))
    log_error("--files-from only supports argument \"-\"\n");

if (log_get_errorcount (0))
    exit (2);

switch (cmd)
{
    case aList:
        if (argc > 1)
            usage (1);
        fname = argc ? *argv : NULL;
        if (opt.filename)
            log_info("note: ignoring option --set-filename\n");
        if (files_from)
            log_info("note: ignoring option --files-from\n");
        if (skip_crypto)
            gpgtar_list (fname);
        else
            decrypt_and_list (fname);
        break;

    case aEncrypt:
        if ((!argc && !null_names)
            || (argc && null_names))
            usage (1);
        if (opt.filename)
            log_info("note: ignoring option --set-filename\n");
        if (skip_crypto)
            gpgtar_create (null_names? NULL :argv);
        else
tar_and_encrypt (null_names? NULL : argv);
break;

case aDecrypt:
    if (argc != 1)
        usage (1);
    if (opt.outfile)
        log_info ("note: ignoring option --output\n");
    if (files_from)
        log_info ("note: ignoring option --files-from\n");
    fname = argc ? *argv : NULL;
    if (skip_crypto)
        gpgtar_extract (fname);
    else
        decrypt_and_untar (fname);
    break;

default:
    log_error (_("invalid command (there is no implicit command)\n");
    break;
}

return log_get_errorcount (0)? 1:0;

_rgba
/* Read the next record from STREAM. RECORD is a buffer provided by
the caller and must be at least of size RECORDSIZE. The function
return 0 on success and an error code on failure; a diagnostic
printed as well. Note that there is no need for an EOF indicator
because a tarball has an explicit EOF record. */
gpg_error_t
read_record (estream_t stream, void *record)
{
    gpg_error_t err;
    size_t nread;

    nread = es_fread (record, 1, RECORDSIZE, stream);
    if (nread != RECORDSIZE)
    {
        err = gpg_error_from_syserror ()
        if (es_ferror (stream))
            log_error (_("error reading \"%s\": %s\n",
                es_fname_get (stream), gpg_strerror (err));
        else
            log_error (_("error reading \"%s\": premature EOF "
                "(size of last record: %zu)\n",
                es_fname_get (stream), nread);
/* Write the RECORD of size RECORDSIZE to STREAM.  FILENAME is the 
   name of the file used for diagnostics. */
gpg_error_t
write_record (estream_t stream, const void *record)
{
gpg_error_t err;
size_t nwritten;

nwritten = es_fwrite (record, 1, RECORDSIZE, stream);
if (nwritten != RECORDSIZE)
{
    err = gpg_error_from_syserror ();
    log_error ("error writing `%s': %s
", 
es_fname_get (stream), gpg_strerror (err));
}
else
    err = 0;

return err;
}

/* Return true if FP is an unarmored OpenPGP message.  Note that this 
   fucntion reads a few bytes from FP but pushes them back. */
#if 0
static int
openpgp_message_p (estream_t fp)
{
    int ctb;

    ctb = es_getc (fp);
    if (ctb != EOF)
    {
        if (es_ungetc (ctb, fp))
            log_fatal ("error ungetting first byte: %s\n", 
gpg_strerror (gpg_error_from_syserror ()));

        if ((ctb & 0x80))
        {
            switch ((ctb & 0x40) ? (ctb & 0x3f) : ((ctb>>2)&0xf))
{  
case PKT_MARKER:  
case PKT_SYMKEY_ENC:  
case PKT_ONEPASS_SIG:  
case PKT_PUBKEY_ENC:  
case PKT_SIGNATURE:  
case PKT_COMMENT:  
case PKT_OLD_COMMENT:  
case PKT_PLAINTEXT:  
case PKT_COMPRESSED:  
case PKT_ENCRYPTED:  
    return 1; /* Yes, this seems to be an OpenPGP message */  
default:  
    break;  
}  
}  
return 0;  
}  
#endif

static void
       tar_and_encrypt (char **inpattern)  
{  
    (void)inpattern;  
    log_error ("tar_and_encrypt has not yet been implemented\n");  
}

static void
       decrypt_and_untar (const char *fname)  
{  
    (void)fname;  
    log_error ("decrypt_and_untar has not yet been implemented\n");  
}

static void
       decrypt_and_list (const char *fname)  
{  
    (void)fname;  
    log_error ("decrypt_and_list has not yet been implemented\n");  
}
/* A wrapper around mkdir which takes a string for the mode argument. 
This makes it easier to handle the mode argument which is not 
defined on all systems. The format of the mode string is 

"-rwxrwxrwx"

'-' is a don't care or not set. 'r', 'w', 'x' are read allowed, 
write allowed, execution allowed with the first group for the user, 
the second for the group and the third for all others. If the 
string is shorter than above the missing mode characters are meant 
to be not set. */

int gnupg_mkdir (const char *name, const char *modestr)
{
#ifdef HAVE_W32CE_SYSTEM
    wchar_t *wname;
    (void)modestr;

    wname = utf8_to_wchar (name);
    if (!wname)
        return -1;
    if (!CreateDirectoryW (wname, NULL))
    {
        xfree (wname);
        return -1;  /* ERRNO is automagically provided by gpg-error.h. */
    }
    xfree (wname);
    return 0;
#else
    mode_t mode = 0;
    if (modestr && *modestr)
    {
        modestr++;
        if (*modestr && *modestr++ == 'r')
            mode |= S_IRUSR;
        if (*modestr && *modestr++ == 'w')
            mode |= S_IWUSR;
    
#endif
}
if (*modestr && *modestr++ == 'x')
    mode |= S_IXUSR;
if (*modestr && *modestr++ == 'r')
    mode |= S_IRGRP;
if (*modestr && *modestr++ == 'w')
    mode |= S_IWGRP;
if (*modestr && *modestr++ == 'x')
    mode |= S_IXGRP;
if (*modestr && *modestr++ == 'r')
    mode |= S_IROTH;
if (*modestr && *modestr++ == 'w')
    mode |= S_IWOTH;
if (*modestr && *modestr++ == 'x')
    mode |= S_IXOTH;
}
return mkdir (name, mode);
#endif

#ifdef HAVE_W32_SYSTEM

/* Return a malloced string encoded in UTF-8 from the wide char input
   string STRING. Caller must free this value. Returns NULL and sets
   ERRNO on failure. Calling this function with STRING set to NULL is
   not defined. */

char *
wchar_to_utf8 (const wchar_t *string)
{
    int n;
    char *result;

    n = WideCharToMultiByte (CP_UTF8, 0, string, -1, NULL, 0, NULL, NULL);
    if (n < 0)
    {
        errno = EINVAL;
        return NULL;
    }

    result = xtrymalloc (n+1);
    if (!result)
        return NULL;

    n = WideCharToMultiByte (CP_UTF8, 0, string, -1, result, n, NULL, NULL);
    if (n < 0)
    {
        xfree (result);
        errno = EINVAL;
        result = NULL;
    }

    return result;
#endif
return result;
}

/* Return a malloced wide char string from an UTF-8 encoded input
   string STRING. Caller must free this value. Returns NULL and sets
   ERRNO on failure. Calling this function with STRING set to NULL is
   not defined. */
wchar_t *
utf8_to_wchar (const char *string)
{
  int n;
  size_t nbytes;
  wchar_t *result;

  n = MultiByteToWideChar (CP_UTF8, 0, string, -1, NULL, 0);
  if (n < 0)
    {
      errno = EINVAL;
      return NULL;
    }

  nbytes = (size_t)(n+1) * sizeof(*result);
  if (nbytes / sizeof(*result) != (n+1))
    {
      errno = ENOMEM;
      return NULL;
    }
  result = xtrymalloc (nbytes);
  if (!result)
    return NULL;

  n = MultiByteToWideChar (CP_UTF8, 0, string, -1, result, n);
  if (n < 0)
    {
      free (result);
      errno = EINVAL;
      result = NULL;
    }
  return result;
}
#endif /*HAVE_W32_SYSTEM*/

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##
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##
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...
1.144 gobject-introspection 1.50.0 :1.el7

1.144.1 Available under license:

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

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

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

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

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

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

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

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

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

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

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

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If distribution of object code is made by offering access to copy
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source code from the same place satisfies the requirement to
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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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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
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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 file `src/libs/snprintf/snprintf.c', written by Mark Martinec
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The complete snprintf package together with documentation is available
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   http://www.ijs.si/software/snprintf/ .

. The `grn' preprocessor, written by Barry Roithlat <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
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   src/preproc/grn/gprint.h
   src/preproc/grn/hdb.cpp
   src/preproc/grn/hgraph.cpp
   src/preproc/grn/hpoint.cpp
   src/preproc/grn/main.cpp

. The `gxditview' output device. It is based on X11's `xditview' program
and thus has the X license.

   src/devices/xditview/DESC.in
   src/devices/xditview/Dvi.c
   src/devices/xditview/Dvi.h
   src/devices/xditview/DviP.h
   src/devices/xditview/FontMap
   src/devices/xditview/GXditview.ad
   src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c

src/include/DviChar.h
src/include/XFontName.h

src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c

Macro Packages
--------------

- The -mdoc macro set, using the BSD license.

  tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man

- The -me macro set, using the BSD license.

  tmac/e.tmac
tmac/groff_me.man
doc/meintro.me
doc/meref.me
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----------------------

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

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1.152 Groovy 1.7.5

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The primary ANTLR guy:

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From 0df1a50e41fb12fbeb6709575e5f12d64ed73b66 Mon Sep 17 00:00:00 2001
From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200
Subject: [PATCH 085/260] * grub-core/loader/i386/bsd.c (grub_netbsd_boot):
Pass pointer to EFI system table.

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

diff --git a/ChangeLog b/ChangeLog
index abf8f4b27..0cdd095a4 100644
--- a/ChangeLog
+++ b/ChangeLog
@@ -,5 +1,10 @@
2014-06-21  Stephane Rochoy <sheda>
+* grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to
+EFI system table.
+
+2014-06-21  Stephane Rochoy <sheda>
+
+* grub-core/commands/efi/lsefisystab.c (grub_cmd_lsefisystab): Show
EFI system table physical address.

diff --git a/grub-core/loader/i386/bsd.c b/grub-core/loader/i386/bsd.c
index 41ef9109e..8f691e0e2 100644
--- a/grub-core/loader/i386/bsd.c
+++ b/grub-core/loader/i386/bsd.c
@@ -1145,6 +1145,14 @@ grub_netbsd_boot (void)
     if (err)
         return err;
ifdef GRUB_MACHINE_EFI
+
+ err = grub_bsd_add_meta (NETBSD_BTINFO_EFI,
+ &grub_efi_system_table,
+ sizeof (grub_efi_system_table));
+ if (err)
+ return err;
+endif
+
{
    struct bsd_tag *tag;
    tag_buf_len = 0;

diff --git a/include/grub/i386/netbsd_bootinfo.h b/include/grub/i386/netbsd_bootinfo.h
index e48c19b40..9b4f46041 100644
--- a/include/grub/i386/netbsd_bootinfo.h
+++ b/include/grub/i386/netbsd_bootinfo.h
@@ -58,6 +58,8 @@
#define NETBSD_BTINFO_BOOTWEDGE		10
#define NETBSD_BTINFO_MODULES		11
#define NETBSD_BTINFO_FRAMEBUF		12
+#define NETBSD_BTINFO_USERCONFCOMMANDS  13
+#define NETBSD_BTINFO_EFI        14

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

+struct grub_netbsd_btinfo_efi
+{
+ void *pa_systbl; /* Physical address of the EFI System Table */
+};
+}
@end

1.154 grubby 8.28 :23.el7
1.154.1 Available under license:

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.
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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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(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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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.

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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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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

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

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HAPROXY's license - 2006/06/15

Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

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1.169 hmaccalc 0.9.13 :4.el7

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1.178 icu 50.1.2 :15.el7
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## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -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,-Bs symbolic

## 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 \"\(.*\)\.o[ :]*\1\.o $@ : /g\" > $@;\
[ -s $@ ] || rm -f $@"

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec "$\(GEN_DEPS.cc\) $<\
| sed \"\(.*\)\.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) $@

## End FreeBSD-specific setup

### 1.179 icu4c 49.1.2

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ICU License - ICU 1.8.1 and later

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1.1

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1.198 javacsv 2.0

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 *
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 *
 * $Id: jbig.c 1297 2008-08-27 19:18:37Z mgk25 $
 *
 * This module implements a portable standard C encoder and decoder
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1.226 json-path 2.0.0

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1.228 jsr311-api 1.1.1

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#
0      leshort         0x0436          psf screen font data
>2      byte            0               256 characters, no index
>2      byte            1               512 characters, no index
>2byte2256 characters, Unicode index
>2byte3512 characters, Unicode index
>2byte4256 characters, Unicode level 2 index
>2byte5512 characters, Unicode level 2 index
>3byte8x%d
#
# PC Screen (console) Fonts - psf2 header
#
0      lelong		0x864ab572		 psf2 screen font data
>12	lelong&1	1	with Unicode index
>16	lelongx:b, %d glyphs
>28	lelongx:b, %dx
>24	lelongx:b,%d

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Version 3, 29 June 2007

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for his work on the initial Linux DVB driver

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Ralph Metzler <rjkm@metzlerbros.de>
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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.)

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

Klaus Schmidinger <Klaus.Schmidinger@cadsoft.de>
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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
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}
#endif

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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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  Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
* M. Welsh, 6 July 1996
* *
*/
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```
src/lib/gssapi/
```

including the following files:

```
lib/gssapi/generic/gssapi_err_generic
lib/gssapi/mechglue/g_accept_sec_context
lib/gssapi/mechglue/g_acquire_cred
lib/gssapi/mechglue/g_canon_name
lib/gssapi/mechglue/g_compare_name
lib/gssapi/mechglue/g_context_time
lib/gssapi/mechglue/g_delete_sec_context
lib/gssapi/mechglue/g_dsp_name
```
and the initial implementation of incremental propagation, including
the following new or changed files:

```python
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/mglueP.h
```
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.. parsed-literal::

    lib/gssapi/generic/gssapi_err_generic.et
    lib/gssapi/mechglue/g_accept_sec_context.c
    lib/gssapi/mechglue/g_acquire_cred.c
    lib/gssapi/mechglue/g_canon_name.c
    lib/gssapi/mechglue/g_compare_name.c
    lib/gssapi/mechglue/g_context_time.c
    lib/gssapi/mechglue/g_delete_sec_context.c
    lib/gssapi/mechglue/g_dsp_name.c
    lib/gssapi/mechglue/g_dsp_status.c
    lib/gssapi/mechglue/g_dup_name.c
    lib/gssapi/mechglue/g_exp_sec_context.c
    lib/gssapi/mechglue/g_export_name.c
    lib/gssapi/mechglue/g_glue.c
    lib/gssapi/mechglue/g_imp_name.c
    lib/gssapi/mechglue/g_imp_sec_context.c
and the initial implementation of incremental propagation, including the following new or changed files:

.. parsed-literal::

    include/iprop_hdr.h
    kadmin/server/ipropd_svc.c
    lib/kdb/iprop.x
    lib/kdb/kdb_convert.c
    lib/kdb/kdb_log.c
    lib/kdb/kdb_log.h
    lib/krb5/error_tables/krb5_err.et
    slave/kpropd_rpc.c
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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
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lib/gssapi/mechglue/g_initialize.c
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lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
and the initial implementation of incremental propagation, including
the following new or changed files:

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

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- lib/gssapi/mechglue/g_accept_sec_context.c
- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
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- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
and the initial implementation of incremental propagation, including
the following new or changed files:

- include/iprop_hdr.h
- kadmin/server/ipropd_svc.c
- lib/kdb/iprop.x
- lib/kdb/kdb_convert.c
- lib/kdb/kdb_log.c
- lib/krb5/error_tables/kdb5_err.et
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.. parsed-literal::

    lib/gssapi/generic/gssapi_err_generic.et
    lib/gssapi/mechglue/g_accept_sec_context.c
    lib/gssapi/mechglue/g_acquire_cred.c
    lib/gssapi/mechglue/g_canon_name.c
    lib/gssapi/mechglue/g_compare_name.c
    lib/gssapi/mechglue/g_context_time.c
    lib/gssapi/mechglue/g_delete_sec_context.c
    lib/gssapi/mechglue/g_dsp_name.c
    lib/gssapi/mechglue/g_dsp_status.c
    lib/gssapi/mechglue/g_dup_name.c
    lib/gssapi/mechglue/g_exp_sec_context.c
    lib/gssapi/mechglue/g_export_name.c
    lib/gssapi/mechglue/g_glue.c
    lib/gssapi/mechglue/g_imp_name.c
    lib/gssapi/mechglue/g_imp_sec_context.c
    lib/gssapi/mechglue/g_init_sec_context.c
    lib/gssapi/mechglue/g_initialize.c
    lib/gssapi/mechglue/g_inquire_context.c
    lib/gssapi/mechglue/g_inquire_cred.c
    lib/gssapi/mechglue/g_inquire_names.c
    lib/gssapi/mechglue/g_process_context.c
    lib/gssapi/mechglue/g_rel_buffer.c
    lib/gssapi/mechglue/g_rel_cred.c
    lib/gssapi/mechglue/g_rel_name.c
    lib/gssapi/mechglue/g_rel_oid_set.c
    lib/gssapi/mechglue/g_seal.c
    lib/gssapi/mechglue/g_sign.c
    lib/gssapi/mechglue/g_store_cred.c
    lib/gssapi/mechglue/g_unseal.c
    lib/gssapi/mechglue/g_userok.c
    lib/gssapi/mechglue/g_utils.c
    lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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

.. parsed-literal::

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

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```
```
cmd/krb5/iprop/iprop_hdr.h
```
```
cmd/krb5/kadmin/server/ipropd_svc.c
```
```
cmd/krb5/kproplog/kproplog.c
```
```
cmd/krb5/slave/kpropd_rpc.c
```
```
lib/gss_mechs/mech_krb5/et/kdb5_err.c
```
```
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
```
```
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
```
```
lib/krb5/kadm5/kadm_host_srv_names.c
```
```
lib/krb5/kdb/kdb_convert.c
```
```
lib/krb5/kdb/kdb_hdr.h
```
```
lib/krb5/kdb/kdb_log.c
```
```
lib/krb5/kdb/kdb_log.h
```
```
lib/libgss/g_accept_sec_context.c
```
```
lib/libgss/g_acquire_cred.c
```
```
lib/libgss/g_canon_name.c
```
```
lib/libgss/g_compare_name.c
```
```
lib/libgss/g_context_time.c
```
```
lib/libgss/g_delete_sec_context.c
```
```
lib/libgss/g_dsp_name.c
```
```
lib/libgss/g_dsp_status.c
```
```
lib/libgss/g_dup_name.c
```
```
lib/libgss/g_exp_sec_context.c
```
```
lib/libgss/g_export_name.c
```
```
lib/libgss/g_glue.c
```
```
lib/libgss/g_imp_name.c
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lib/libgss/g_imp_sec_context.c
```
```
lib/libgss/g_init_sec_context.c
```
```
lib/libgss/g_initialize.c
```
```
lib/libgss/g_inquire_context.c
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lib/libgss/g_inquire_cred.c
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lib/libgss/g_inquire_names.c
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lib/libgss/g_process_context.c
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lib/libgss/g_rel_buffer.c
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lib/libgss/g_rel_credential.c
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lib/libgss/g_rel_name.c
```
```
lib/libgss/g_rel_oid_set.c
```
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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import os
import sys
import re

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

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

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
        if text_seen:
            warn(fname, ln, 'License begins after first line of comment')
        elif code_seen:
            warn(fname, ln, 'License after code')
        elif nonlicense_seen:
            warn(fname, ln, 'License after non-license comments')
        break
    # DB2 licenses start with '/**' and we don't want to change them.
if line != '' and line != '-':
    text_seen = True
return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1

    # Check filename comment if present.
    m = re.match(r'/\* ([^ ]*) (- .*)? */', lines[ln])
    if m:
        if m.group(1) != fname:
            warn(fname, ln, 'Wrong filename in comment')
        ln += 1

    # Check for license statements.
    in_comment = False
    code_seen = False
    nonlicense_seen = False
    for line in lines[ln:]:
        # Strip out whitespace and comments contained within a line.
        if not in_comment:
            line = re.sub(r'/\*.*?\*/', '', line)
            line = line.strip()
        if not in_comment and '/*' in line:
            (line, sep, comment_part) = line.partition('/*')
            comment = [comment_part.strip()]
            comment_starts_at = ln
            in_comment = True
        elif in_comment and '*/' not in line:
            comment.append(line.lstrip('*').lstrip())
        elif in_comment:
            (comment_part, sep, line) = line.partition('*/')
            comment.append(comment_part.strip())
        is_license = check_comment(comment, fname, comment_starts_at,
                                     code_seen, nonlicense_seen)
        nonlicense_seen = nonlicense_seen or not is_license
        in_comment = False
    if line.strip() != '':
        code_seen = True
    ln += 1

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

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1.237 ksh 20120801 :34.el7

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*                                                                      *
* Glenn Fowler <gsf@research.att.com>                                *
*                                                                      *
***********************************************************************/
#pragma prototyped

/*
 * bsd
 */

#define bsd_description
"The BSD checksum."
#define bsd_options0
#define bsd_match"bsd\ucb"
#define bsd_openlong_open
#define bsd_initlong_init
#define bsd_doneshort_done
#define bsd_printlong_print
#define bsd_datalong_data
#define bsd_scale1024

static int
bsd_block(register Sum_t* p, const void* s, size_t n)
{
    register uint32_t	c = ((Integral_t*)p)->sum;
    register unsigned char*	b = (unsigned char*)s;
    register unsigned char*	e = b + n;
    while (b < e)
        c = ((c >> 1) + *b++ + ((c & 01) ? 0x8000 : 0)) & 0xffff;
    ((Integral_t*)p)->sum = c;
return 0;
}

1.238 ldns 1.6.16 :10.el7

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1.240 less 458 :9.el7

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

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

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

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

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

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

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

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

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

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

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

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

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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1.242 libart_lgpl 2.3.21 :10.el7

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Preamble

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

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

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

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

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

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

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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.)

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entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

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

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

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

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

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

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

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

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

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

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If distribution of object code is made by offering access to copy
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5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library
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Section 6 states terms for distribution of such executables.

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

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

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

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

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the executable.

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1.245 libcap 2.22 :9.el7
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user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

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

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

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

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

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

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

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

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

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

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

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   c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of
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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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

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

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      (For example, a function in a library to compute square roots has 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
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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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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1.249 libdaemon 0.14 :7.el7
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1.252 libdrm 2.4.74 :1.el7

1.253 libedit 3.0 :12.20121213cvs.el7

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

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Version 3, 29 June 2007

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Version 3.1, 31 March 2009

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<table>
<thead>
<tr>
<th>Program</th>
<th>Directory</th>
</tr>
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<tbody>
<tr>
<td>mach_override</td>
<td>lib/interception/mach_override</td>
</tr>
</tbody>
</table>

/* Definitions for BSD assembler syntax for Intel 386
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adapted to BSD conventions for symbol names and debugging.)
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/* Use the Sequent Symmetry assembler syntax. */

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

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

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

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

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

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

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \  
fprintf (FILE, \"t.space \"HOST_WIDE_INT_PRINT_UNSIGNED\"\n", (SIZE))

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

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \  
( fputs (\".comm \", (FILE)),\  
assemble_name ((FILE), (NAME)),\  
fprintf ((FILE), \",%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \  
( fputs (\".lcomm \", (FILE)),\  
assemble_name ((FILE), (NAME)),\  
fprintf ((FILE), \",%u\n", (int)(ROUNDED)))

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

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

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of $2^{\text{LOG}}$ bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG)\      
if ((LOG)!=0) fprintf ((FILE), "%t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

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

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

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

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

@c Set file name and title for man page.
@setfilename gfdl
@settitle GNU Free Documentation License
@c man begin SEEALSO
gpl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
@uref{http://fsf.org/}

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of this license document, but changing it is not allowed.
@c This file is intended to be included within another document,
c hence no sectioning command or @node.
@c man end
@end ignore
@c Special handling for inclusion in the install manual.
@ifset gfdlhtml
@ifnothtml
@comment node-name, next, previous, up
@node GNU Free Documentation License, Concept Index, Old, Top
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

Some other contributors:

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

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

import os
import re
import sys
import time
import subprocess

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

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

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

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

        self.skip_files |= set (['
            # Skip licence files.
            'COPYING',
            'COPYING.LIB',
            'COPYING3',
            'COPYING3.LIB',
            'LICENSE',
            'fdl.texi',
            'gpl_v3.texi',
            'fdl-1.3.xml',
            'gpl-3.0.xml',

            # Skip auto- and libtool-related files
            'aclocal.m4',
            'compile',
            'config.guess',
        ''])
def get_line_filter (self, dir, filename):
    if filename.startswith ('ChangeLog'):
        # Ignore references to copyright in changelog entries.
        return re.compile ('\t')
    return None

def skip_file (self, dir, filename):
    if filename in self.skip_files:
        return True
    (base, extension) = os.path.splitext (os.path.join (dir, filename))
    if extension in self.skip_extensions:
        return True
    if extension == '.in':
        # Skip .in files produced by automake.
        if os.path.exists (base + '.am'):
            return True
    # Skip files produced by autogen
if (os.path.exists (base + '.def')
   and os.path.exists (base + '.tpl')):
   return True

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

return False

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

def is_fossilised_file (self, dir, filename):
   if filename in self.fossilised_files:
      return True
   # Only touch current current ChangeLogs.
   if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
      return True
   return False

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

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

      # Characters in a range of years. Include '.' for typos.
      ranges = '[0-9-][?[-0-9..\s]\s+\+\s]*[0-9-]'

      # Non-whitespace characters in a copyright holder's name.
      name = '\[\w.-\]'

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

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

      # Matches a full copyright notice:
      self.copyright_re = re.compile (  # 1: 'Copyright (C)', etc.
         '((C[\s]{0,}Copyright')
         '||[C\s]{0,}\{C\}\}')
# 2: the years. Include the whitespace in the year, so that
# we can remove any excess.
'(\s*(?::' + ranges + '.*)' + ranges + ')'

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

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

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

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

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

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

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

def add_external_author (self, holder):
    self.holders[holder] = None
class BadYear():
    def __init__(self, year):
        self.year = year

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

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

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

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

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

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

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

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

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

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

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

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

        # Rematch with the longer line, at the original position.
        match = self.copyright_re.match (line, match.start())
        assert match
holder = match.group (4)

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

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

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

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

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

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

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

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

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

return (line != orig_line, line, next_line)

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

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

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

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

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

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

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

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

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

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

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...\n' % sys.argv[0])
        format = '%-15s %s
'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))

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

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...\n' % sys.argv[0])
        format = '%-15s %s
'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))

    def o_help (self, option = None):
        sys.stdout.write ('Usage: %s [options] dir1 dir2...\n' % sys.argv[0])
        format = '%-15s %s
'
        for (what, help) in self.option_help:
            sys.stdout.write (format % (what, help))
format = '%-25s'
i = 0
for (dir, filter) in self.dirs:
    i += 1
    if i % 3 == 0 or i == len (self.dirs):
        sys.stdout.write (dir + 'n')
    else:
        sys.stdout.write (format % dir)
sys.exit (0)

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

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

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

#-----------------------------------------------------------------------------------

class TopLevelFilter (GenericFilter):
    def skip_dir (self, dir, subdir):
        return True
class ConfigFilter (GenericFilter):
    def __init__ (self):
        GenericFilter.__init__ (self)

    def skip_file (self, dir, filename):
        if filename.endswith ('.m4'):
            pathname = os.path.join (dir, filename)
            with open (pathname) as file:
                # Skip files imported from gettext.
                if file.readline().find ('gettext-') >= 0:
                    return True
            return GenericFilter.skip_file (self, dir, filename)

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

        self.skip_files |= set ( [
            # Not part of GCC
            'math-68881.h',
        ])

        self.skip_dirs |= set ( [
            # Better not create a merge nightmare for the GNAT folks.
            'ada',

            # Handled separately.
            'testsuite',
        ])

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

            # Automatically-generated.
            '.pot',
        ])

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

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

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

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

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

            # Automatically-generated.
            '.pot',
        ])}

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

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

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

        self.skip_dirs |= set([
            # Handled separately.
'testsuite',

# Not really part of the library
'contrib',

# Imported from upstream
'classpath',
'libltdl',
}

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

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

        self.skip_dirs |= set ({
            # Handled separately.
            'testsuite',
        })

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

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

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

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

            # Contains imported images
            'images',
        })

        self.own_files |= set ({
            # Contains markup around the copyright owner.
class GCCCopyright (Copyright):
    def __init__ (self, errors):
        Copyright.__init__ (self, errors)

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

        self.add_external_author ('ARM')
        self.add_external_author ('AdaCore')
        self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
        self.add_external_author ('Cavium Networks.')
        self.add_external_author ('Faraday Technology Corp.')
        self.add_external_author ('Florida State University')
        self.add_external_author ('Greg Colvin and Beman Dawes.')
        self.add_external_author ('Hewlett-Packard Company')
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        self.add_external_author ('The Go Authors. All rights reserved.')
        self.add_external_author ('The Go Authors.')
        self.add_external_author ('The Regents of the University of California.')
        self.add_external_author ('Unicode, Inc.')
        self.add_external_author ('University of Toronto')
class GCCCmdLine(CmdLine):
    def __init__(self):
        CmdLine.__init__(self, GCCCopyright)

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

        self.default_dirs = [
            'gcc',
            'libada',
            'libatomic',
            'libbacktrace',
            'libcpp',
            'libdecnumber',
            'libgcc',
            'libgfortran',
            'libgomp',
            'libiberty',
            'libitm',
            'libjava',
            'libmudflap',
            'libobjc',
            'libquadmath',
            'libstdc++-v3',
            'lto-plugin',
            'libssp']
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package gnu.classpath.tools.taglets;

import java.util.Map;

import com.sun.tools.doclets.Taglet;

import com.sun.javadoc.Tag;

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

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

public String getName() {
    return NAME;
}

public boolean inField() {
    return true;
}

public boolean inConstructor() {
    return true;
}

public boolean inMethod() {
    return true;
}

public boolean inOverview() {
    return true;
}

public boolean inPackage() {
    return true;
}

public boolean inType() {

return true;
}

public boolean isInlineTag() {
    return false;
}

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

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

generate
public String toString(Tag[] tags) {
    if (tags.length == 0) {
        return null;
    }
    else {
        boolean haveValidTag = false;
for (int i = 0; i < tags.length && !haveValidTag; ++i) {
    if (tags[i].text().length() > 0) {
        haveValidTag = true;
    }
}
    if (haveValidTag) {
        StringBuffer result = new StringBuffer();
result.append("<dl>");
for (int i = 0; i < tags.length; i++) {
    if (tags[i].text().length() > 0) {
        result.append("<dt><i>Copyright &copy; "+ tags[i].text() + "</i></dt>");
    } else {
        return null;
    }
}
result.append("</dl>");
return result.toString();
    }
}
/* Permission.java -- The superclass for all permission objects

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package java.security;

import gnu.java.lang.CPStringBuilder;

import java.io.Serializable;

/**
 * This class is the abstract superclass of all classes that implement
 * the concept of a permission. A permission consists of a permission name
 * and optionally a list of actions that relate to the permission. The
 * actual meaning of the name of the permission is defined only in the
 * context of a subclass. It may name a resource to which access permissions
 * are granted (for example, the name of a file) or it might represent
 * something else entirely. Similarly, the action list only has meaning
* within the context of a subclass. Some permission names may have no
* actions associated with them. That is, you either have the permission
* or you don't.
*<p>The most important method in this class is <code>implies</code>. This
* checks whether if one has this permission, then the specified
* permission is also implied. As a conceptual example, consider the
* permissions "Read All Files" and "Read File foo". The permission
* "Read All Files" implies that the caller has permission to read the
* file foo.
*<p><code>Permission</code>’s must be immutable - do not change their
* state after creation.
*<p>@author Aaron M. Renn (arenn@urbanophile.com)
* @see Permissions
* @see PermissionCollection
* @since 1.1
* @status updated to 1.4
*/
public abstract class Permission implements Guard, Serializable
{
 /**
  * Compatible with JDK 1.1+.
  */
 private static final long serialVersionUID = -5636570222231596674L;

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

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

 /**
  * This method implements the <code>Guard</code> interface for this class.
  * It calls the <code>checkPermission</code> method in
  * <code>SecurityManager</code> with this <code>Permission</code> as its
**Check to see if this object equals obj. Use <code>equals</code>, rather than <code>equals</code>, when making access control decisions.**

* @param obj the object to compare to

*/

public abstract boolean equals(Object obj);

/**
 * This method returns a hash code for this <code>Permission</code>. It must satisfy the contract of <code>Object.hashCode</code>: it must be the same for all objects that equals considers to be the same.
 *
 * @return a hash value
 *
 */

public abstract int hashCode();

/**
 * Get the name of this <code>Permission</code>.  
 *
 * @return the name
 *
 */

public final String getName()
return name;
}

/**
 * This method returns the list of actions for this <code>Permission</code>
 * as a <code>String</code>. The string should be in canonical order, for
 * example, both <code>new FilePermission(f, "write,read")</code> and
 * <code>new FilePermission(f, "read,write")</code> have the action list
 * "read,write".
 * @return the action list for this <code>Permission</code>
 */
public abstract String getActions();

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

/**
 * This method returns a <code>String</code> representation of this
 * <code>Permission</code> object. This is in the format:
 * <code>'(' + getClass().getName() + ' ' + getName() + ' ' + getActions
 * + ')'</code>.  
 * @return this object as a <code>String</code>
 */
public String toString()
{
    CPStringBuilder string = new CPStringBuilder();

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

    return string.toString();
}
```java
string = string.append(getActions());
}
string = string.append(')');
return string.toString();
}
} // class Permission
/* Permission.java -- Information about an ACL permission
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package java.security.acl;

/**
 * This interface provides information about a permission that can be
*/
```
public interface Permission
{
/**
 * This method tests whether or not a specified Permission (passed as an Object) is the same as this permission.
 *
 * @param perm The permission to check for equality
 *
 * @return true if the specified permission is the same as this one, false otherwise
 */
boolean equals (Object perm);

/**
 * This method returns this Permission as a String.
 *
 * @return A String representing this permission.
 */
String toString();
}
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

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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becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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1.264 libjpeg-turbo 1.2.90 :6.el7

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 * This code selects a particular DCT implementation to be used,
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 *
 * This file contains the forward-DCT management logic.
 * This code selects a particular DCT implementation to be used,
 * and it performs related housekeeping chores including coefficient
 * quantization.
 */
The Independent JPEG Group's JPEG software
=============================================

This distribution contains a release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

This software is the work of Tom Lane, Guido Vollbeding, Philip Gladstone, Bill Allombert, Jim Boucher, Lee Crocker, Bob Friesenhahn, Ben Jackson, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16).

DOCUMENTATION ROADMAP
=======================

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran,
rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
CODERULES.TXT  Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.
We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
=============

We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30–44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don’t have the CACM issue
handy, a PostScript file containing a revised version of Wallace's article is available at http://www.ijg.org/files/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from http://www.ecma-international.org/publications/techreports/E-TR-098.htm. A PostScript version of the JFIF document is available at http://www.ijg.org/files/jfif.ps.gz. There is also a plain text version at http://www.ijg.org/files/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from http://www.ijg.org/files/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design.
Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS
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The "official" archive site for this software is www.iijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as http://www.iijg.org/files/jpegsrc.v8d.tar.gz, and in Windows-compatible "zip" archive format as http://www.iijg.org/files/jpegsrc8d.zip.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

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FILE FORMAT WARS
================

The ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together with ITU-T SG16) currently promotes different formats containing the name "JPEG" which are incompatible with original DCT-based JPEG. IJG therefore does not support these formats (see REFERENCES). Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files. Don't use an incompatible file format! (In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

TO DO
=====

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

/*
* jcdctmgr.c
*
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libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by libjpeg (see README.) The TurboJPEG wrapper (both C and Java versions) and associated test programs bear a similar license, which is reproduced below:

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*******************************************************************************
** Using libjpeg-turbo
*******************************************************************************

libjpeg-turbo includes two APIs that can be used to compress and decompress JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing and decompressing JPEG images in memory. It also provides some functionality that would not be straightforward to achieve using the underlying libjpeg API, such as generating planar YUV images and performing multiple simultaneous lossless transforms on an image. The Java interface for libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.

================================
Installation Directory
This document assumes that libjpeg-turbo will be installed in the default directory /opt/libjpeg-turbo on Un*x and Mac systems and
\texttt{c:\libjpeg-turbo[-gcc][64]} on Windows systems. If your installation of
libjpeg-turbo resides in a different directory, then adjust the instructions
accordingly.

Replacing libjpeg at Run Time

\textbf{Un*x}

If a Un*x application is dynamically linked with libjpeg, then you can replace
libjpeg with libjpeg-turbo at run time by manipulating \texttt{LD\_LIBRARY\_PATH}.
For instance:

\begin{verbatim}
[Using libjpeg]
> time cjpeg <vgl\_5674\_0098.ppm >vgl\_5674\_0098.jpg
real  0m0.392s
user  0m0.074s
sys   0m0.020s

[Using libjpeg-turbo]
> export LD\_LIBRARY\_PATH=/opt/libjpeg-turbo/{lib}:$LD\_LIBRARY\_PATH
> time cjpeg <vgl\_5674\_0098.ppm >vgl\_5674\_0098.jpg
real  0m0.109s
user  0m0.029s
sys   0m0.010s
\end{verbatim}

\((\texttt{lib} = \texttt{lib32} \text{ or } \texttt{lib64}, \text{ depending on whether you wish \texttt{}}
\text{to use the 32-bit or the} \text{64-bit version of libjpeg-turbo.})\)

System administrators can also replace the libjpeg symlinks in \texttt{/usr/lib*} with
links to the libjpeg-turbo dynamic library located in \texttt{/opt/libjpeg-turbo/{lib}}.
This will effectively accelerate every application that uses the libjpeg
dynamic library on the system.

\textbf{Windows}

\texttt{-------}

If a Windows application is dynamically linked with libjpeg, then you can
replace libjpeg with libjpeg-turbo at run time by backing up the application's
copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its
own local copy of this library) and copying the corresponding DLL from
libjpeg-turbo into the application's install directory. The official
libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses jpeg7.dll or jpeg8.dll instead, then it will be necessary to build libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C run-time DLL (msvcr90.dll). msvcr90.dll ships with more recent versions of Windows, but users of older Windows releases can obtain it from the Visual C++ 2008 Redistributable Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C run-time structure, such as a file handle, from an application to the library will probably not work with jpeg62.dll, unless the application is also built to use the Visual C++ 2008 C run-time DLL. In particular, this affects jpeg_stdio_dest() and jpeg_stdio_src().

Mac
---

Mac applications typically embed their own copies of the libjpeg dylib inside the (hidden) application bundle, so it is not possible to globally replace libjpeg on OS X systems. Replacing the application's version of the libjpeg dylib would generally involve copying libjpeg.*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install_name_tool to repoint the libjpeg-turbo dylib to its new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

========================================
Using libjpeg-turbo in Your Own Programs
========================================

For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Un*x systems and Cygwin, you can build against libjpeg-turbo instead of libjpeg by setting

CPATH=/opt/libjpeg-turbo/include
and
LIBRARY_PATH=/opt/libjpeg-turbo/{lib}

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)

If using MinGW, then set
CPATH=/c/libjpeg-turbo-gcc[64]/include
and
LIBRARY_PATH=/c/libjpeg-turbo-gcc[64]/lib

Building against libjpeg-turbo is useful, for instance, if you want to build an
application that leverages the libjpeg-turbo colorspace extensions (see below.)
On Un*x systems, you would still need to manipulate LD_LIBRARY_PATH or create
appropriate symlinks to use libjpeg-turbo at run time. On such systems, you
can pass -R /opt/libjpeg-turbo/{lib} to the linker to force the use of
libjpeg-turbo at run time rather than libjpeg (also useful if you want to
leverage the colorspace extensions), or you can link against the libjpeg-turbo
static library.

To force a Un*x or MinGW application to link against the static version of
libjpeg-turbo, you can use the following linker options:

- Wl,-Bstatic -ljpeg -Wl,-Bdynamic

On OS X, simply add /opt/libjpeg-turbo/lib/libjpeg.a to the linker command
line.

To build Visual C++ applications using libjpeg-turbo, add
c:/libjpeg-turbo[64]/include to the system or user INCLUDE environment
variable and c:/libjpeg-turbo[64]/lib to the system or user LIB environment
variable, and then link against either jpeg.lib (to use the DLL version of
libjpeg-turbo) or jpeg-static.lib (to use the static version of libjpeg-turbo.)

====================================
Colorspace Extensions
====================================

libjpeg-turbo includes extensions that allow JPEG images to be compressed
directly from (and decompressed directly to) buffers that use BGR, BGRX,
RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new
colorspace constants:

JCS_EXT_RGB   /* red/green/blue */
JCS_EXT_RGBX  /* red/green/blue/x */
JCS_EXT_BGR   /* blue/green/red */
JCS_EXT_BGRX  /* blue/green/red/x */
JCS_EXT_XBGR  /* x/blue/green/red */
JCS_EXT_XRGB  /* x/red/green/blue */
JCS_EXT_RGBA  /* red/green/blue/alpha */
JCS_EXT_BGRA  /* blue/green/red/alpha */
JCS_EXT_ABGR  /* alpha/blue/green/red */
JCS_EXT_ARGB  /* alpha/red/green/blue */

Setting cinfo.in_color_space (compression) or cinfo.out_color_space
(decompression) to one of these values will cause libjpeg-turbo to read the red, green, and blue values from (or write them to) the appropriate position in the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile time with:

```c
#ifdef JCS_EXTENSIONS
```

At run time, attempting to use these extensions with a libjpeg implementation that does not support them will result in a "Bogus input colorspace" error. Applications can trap this error in order to test whether run-time support is available for the colorspace extensions.

When using the RGBX, BGRX, XBGR, and XRGB colorspaces during decompression, the X byte is undefined, and in order to ensure the best performance, libjpeg-turbo can set that byte to whatever value it wishes. If an application expects the X byte to be used as an alpha channel, then it should specify JCS_EXT_RGBA, JCS_EXT_BGRA, JCS_EXT_ABGR, or JCS_EXT_ARGB. When these colorspace constants are used, the X byte is guaranteed to be 0xFF, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace extensions at compile time with:

```c
#ifdef JCS_ALPHA_EXTENSIONS
```

cjstest.c, located in the libjpeg-turbo source tree, demonstrates how to check for the existence of the colorspace extensions at compile time and run time.

```
====================================================================
libjpeg v7 and v8 API/ABI Emulation
====================================================================

With libjpeg v7 and v8, new features were added that necessitated extending the compression and decompression structures. Unfortunately, due to the exposed nature of those structures, extending them also necessitated breaking backward ABI compatibility with previous libjpeg releases. Thus, programs that were built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not as widely used as v6b, enough programs (including a few Linux distros) made the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs in libjpeg-turbo. It should be noted, however, that this feature was added primarily so that applications that had already been compiled to use libjpeg v7+ could take advantage of accelerated baseline JPEG encoding/decoding without recompiling. libjpeg-turbo does not claim to support all of the libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all cases (see below.)
By passing an argument of --with-jpeg7 or --with-jpeg8 to configure, or an argument of -DWITH_JPEG7=1 or -DWITH_JPEG8=1 to cmake, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

Support for libjpeg v7 and v8 Features:
--------------------------------------------------------

Fully supported:

-- libjpeg: IDCT scaling extensions in decompressor
   libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4 and 1/2 are SIMD-accelerated.)

-- libjpeg: arithmetic coding

-- libjpeg: In-memory source and destination managers
   See notes below.

-- cjpeg: Separate quality settings for luminance and chrominance
   Note that the libjpeg v7+ API was extended to accommodate this feature only for convenience purposes. It has always been possible to implement this feature with libjpeg v6b (see rdswitch.c for an example.)

-- cjpeg: 32-bit BMP support

-- cjpeg: -rgb option

-- jpegtran: lossless cropping

-- jpegtran: -perfect option

-- jpegtran: forcing width/height when performing lossless crop

-- rdjpgcom: -raw option

-- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the usefulness of DCT scaling as a means of data reduction and SmartScale as a means of quality improvement. The reader is invited to peruse the research at http://www.libjpeg-turbo.org/About/SmartScale and draw his/her own conclusions,
but it is the general belief of our project that these features have not demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

-- libjpeg: DCT scaling in compressor
cinfo.scale_num and cinfo.scale_denom are silently ignored.
There is no technical reason why DCT scaling could not be supported when emulating the libjpeg v7+ API/ABI, but without the SmartScale extension (see below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and 8/9 would be available, which is of limited usefulness.

-- libjpeg: SmartScale
cinfo.block_size is silently ignored.
SmartScale is an extension to the JPEG format that allows for DCT block sizes other than 8x8. Providing support for this new format would be feasible (particularly without full acceleration.) However, until/unless the format becomes either an official industry standard or, at minimum, an accepted solution in the community, we are hesitant to implement it, as there is no sense of whether or how it might change in the future. It is our belief that SmartScale has not demonstrated sufficient usefulness as a lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

-- libjpeg: Fancy downsampling in compressor
cinfo.do_fancy_downsampling is silently ignored.
This requires the DCT scaling feature, which is not supported.

-- jpegtran: Scaling
This requires both the DCT scaling and SmartScale features, which are not supported.

-- Lossless RGB JPEG files
This requires the SmartScale feature, which is not supported.

What About libjpeg v9?
---------------------
libjpeg v9 introduced yet another field to the JPEG compression structure (color_transform), thus making the ABI backward incompatible with that of libjpeg v8. This new field was introduced solely for the purpose of supporting lossless SmartScale encoding. Further, there was actually no reason to extend the API in this manner, as the color transform could have just as easily been activated by way of a new JPEG colorspace constant, thus preserving backward ABI compatibility.

Our research (see link above) has shown that lossless SmartScale does not generally accomplish anything that can’t already be accomplished better with existing, standard lossless formats. Thus, at this time, it is our belief that
there is not sufficient technical justification for software to upgrade from
libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification
for us to emulate the libjpeg v9 ABI.

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

In-Memory Source/Destination Managers
===============================================================================

By default, libjpeg-turbo 1.3 and later includes the jpeg_mem_src() and
jpeg_mem_dest() functions, even when not emulating the libjpeg v8 API/ABI.
Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8
API/ABI emulation in order to use the in-memory source/destination managers,
but several projects requested that those functions be included when emulating
the libjpeg v6b API/ABI as well. This allows the use of those functions by
programs that need them without breaking ABI compatibility for programs that
don't, and it allows those functions to be provided in the "official"
libjpeg-turbo binaries.

Those who are concerned about maintaining strict conformance with the libjpeg
v6b or v7 API can pass an argument of --without-mem-srcdst to configure or
an argument of -DWITHE_MEM_SRCDST=0 to CMake prior to building libjpeg-turbo.
This will restore the pre-1.3 behavior, in which jpeg_mem_src() and
jpeg_mem_dest() are only included when emulating the libjpeg v8 API/ABI.

On Un*x systems, including the in-memory source/destination managers changes
the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI
emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un*x systems, the dynamic linker will not look for a
function in a library until that function is actually used. Thus, if a program
is built against libjpeg-turbo 1.3+ and uses jpeg_mem_src() or jpeg_mem_dest(),
that program will not fail if run against an older version of libjpeg-turbo or
against libjpeg v7- until the program actually tries to call jpeg_mem_src() or
jpeg_mem_dest(). Such is not the case on Windows. If a program is built
against the libjpeg-turbo 1.3+ DLL and uses jpeg_mem_src() or jpeg_mem_dest(),
then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjpeg and djpeg have been extended to allow testing the in-memory
source/destination manager functions. See their respective man pages for more
details.

*******************************************************************************
**     Mathematical Compatibility
*******************************************************************************

For the most part, libjpeg-turbo should produce identical output to libjpeg
v6b. The one exception to this is when using the floating point DCT/IDCT, in
which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to be identical (the accuracy of the floating point DCT/IDCT is constant when using libjpeg-turbo's SIMD extensions, but otherwise, it can depend heavily on the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is still using the same algorithms as libjpeg v6b, so there are several specific cases in which libjpeg-turbo cannot be expected to produce the same output as libjpeg v8:

-- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8 implements those scaling algorithms a bit differently than libjpeg v6b does, and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.

-- When using chrominance subsampling, because libjpeg v8 implements this with its DCT/IDCT scaling algorithms rather than with a separate downsampling/upsampling algorithm.

-- When using the floating point IDCT, for the reasons stated above and also because the floating point IDCT algorithm was modified in libjpeg v8a to improve accuracy.

-- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or "non-smooth") chrominance upsampling, because libjpeg v8 does not support merged upsampling with scaling factors > 1.

*******************************************************************************
**     Performance Pitfalls
*******************************************************************************

===============
Restart Markers
===============

The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.

===============================================
Fast Integer Forward DCT at High Quality Levels
===============================================

The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

1.265 libmnl 1.0.3 :7.el7

1.265.1 Available under license:

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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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1.270 libnfnetlink 1.0.1 :4.el7

1.270.1 Available under license :

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Version 2, June 1991

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

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

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

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

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<?xml version="1.0" encoding="UTF-8"?>
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 "http://www.oasis-open.org/docbook/xml/4.1.2/docbookx.dtd">
<!-- lifted from troff+man by doclifter -->
<refentry>
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 warning</para> </authorblurb></author>
</refentryinfo>
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<manvolnum>8</manvolnum>
<refmiscinfo class="date">25 Apr 2002</refmiscinfo>
<refmiscinfo class="source">libreswan</refmiscinfo>
<refmiscinfo class="manual">Executable programs</refmiscinfo>
</refmeta>
<refnamediv id='name'><refname>ipsec _realsetup</refname>
<refpurpose>internal routine to start FreeS/WAN.</refpurpose>
</refnamediv>
<!-- body begins here -->

<refsect1 id='description'><title>DESCRIPTION</title>
<para><emphasis remap="T">_realsetup</emphasis>
is called by the system init scripts to start the FreeS/WAN
system. It starts
<emphasis remap="B">KLIPS</emphasis>
(the kernel component) and
<emphasis remap='B'>pluto</emphasis>(the userspace keying component).

<refsect1 id='see_also'><title>SEE ALSO</title>
<para><citerefentry><refentrytitle>ipsec</refentrytitle><manvolnum>8</manvolnum></citerefentry>,
<citerefentry><refentrytitle>ipsec__klipsstart</refentrytitle><manvolnum>8</manvolnum></citerefentry>,
<citerefentry><refentrytitle>ipsec__plutorun</refentrytitle><manvolnum>8</manvolnum></citerefentry>.</para></refsect1>

<refsect1 id='history'><title>HISTORY</title>
<para>Man page written for the Linux FreeS/WAN project
by Michael Richardson. Original program by Henry Spencer.</para></refsect1>

# Makefile for miscellaneous programs
# Copyright (C) 2002  Michael Richardson	<mcr@freeswan.org>
#
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PROGRAM=_realsetup
PROGRAMOBJDIR=_realsetup.bsd

ifdef top_sourcedir
include $(top_sourcedir)/mk/program.mk
else
include .././mk/program.mk
endif

""" Title: _REALSETUP
""" Author: Paul Wouters
""" Generator: DocBook XSL Stylesheets v1.77.1 <http://docbook.sf.net/>
""" Date: 12/16/2012
""" Manual: Executable programs
""" Source: libreswan
""" Language: English
"""
ipsec_realsetup is an internal routine to start FreeS/WAN. It starts KLIPS (the kernel component) and pluto (the userspace keying component).

SEE ALSO

ipsec(8), ipsec__klipsstart(8), ipsec__plutorun(8)

HISTORY

Man page written for the Linux FreeS/WAN project by Michael Richardson. Original program by Henry Spencer.

AUTHOR

Paul Wouters

Man page written for the Linux FreeS/WAN project by Michael Richardson. Original program by Henry Spencer.
1.281 libseccomp 2.4.0 :0.el7

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**Version 2.1, February 1999**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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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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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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```
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1.292 libtiff 4.0.3 :27.1.el7_3

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**1.296 libusb 0.1.4 :3.el7**

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1.297 libusb 1.0.20 :1.el7

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

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

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

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

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

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

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

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

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

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

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

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
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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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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.2, March 19th, 1998

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

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files ftp://ds.internic.net/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

/*

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Fast discrete Fourier and cosine transforms and inverses
author: Monty <xiphmont@mit.edu>
modifications by: Monty
last modification date: Jul 1 1996

/* These Fourier routines were originally based on the Fourier routines of the same names from the NETLIB bihar and fftpack fortran libraries developed by Paul N. Swarztrauber at the National Center for Atmospheric Research in Boulder, CO USA. They have been reimplemented in C and optimized in a few ways for OggSquish. */

/* As the original fortran libraries are public domain, the C Fourier routines in this file are hereby released to the public domain as well. The C routines here produce output exactly equivalent to the original fortran routines. Of particular interest are the facts that (like the original fortran), these routines can work on arbitrary length vectors that need not be powers of two in length. */

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Chelsio Communication Terminator 4/5 ethernet controller firmware

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The README file from the original package from Micronas appears below. Only the part about the firmware redistribution in section 0 is relevant, all other sections are completely obsolete.

---------------------------------------------------------------------------
WIS GO7007SB Public Linux Driver
---------------------------------------------------------------------------

*** Please see the file RELEASE-NOTES for important last-minute updates ***

0. OVERVIEW AND LICENSING/DISCLAIMER

This driver kit contains Linux drivers for the WIS GO7007SB multi-format
video encoder. Only kernel version 2.6.x is supported. The video stream is available through the Video4Linux2 API and the audio stream is available through the ALSA API (or the OSS emulation layer of the ALSA system).

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1. SYSTEM REQUIREMENTS

This driver requires Linux kernel 2.6. Kernel 2.4 is not supported. Using kernel 2.6.10 or later is recommended, as earlier kernels are known to have unstable USB 2.0 support.

A fully built kernel source tree must be available. Typically this will be linked from "/lib/modules/<KERNEL VERSION>/build" for convenience. If this link does not exist, an extra parameter will need to be passed to the `make` command.

All vendor-built kernels should already be configured properly. However, for custom-built kernels, the following options need to be enabled in the kernel as built-in or modules:

- CONFIG_HOTPLUG - Support for hot-pluggable devices
- CONFIG_MODULES - Enable loadable module support
- CONFIG_KMOD - Automatic kernel module loading
- CONFIG_FW_LOADER - Hotplug firmware loading support
- CONFIG_I2C - I2C support
- CONFIG_VIDEO_DEV - Video For Linux
- CONFIG_SOUND - Sound card support
- CONFIG_SND - Advanced Linux Sound Architecture
Additionally, to use the example application, the following options need to be enabled in the ALSA section:

```
CONFIG_SND_MIXER_OSS     - OSS Mixer API
CONFIG_SND_PCM_OSS       - OSS PCM (digital audio) API
```

The hotplug scripts, along with the fxload utility, must also be installed. These scripts can be obtained from `<http://linux-hotplug.sourceforge.net/>`. Hotplugging is used for loading firmware into the Cypress EZ-USB chip using fxload and for loading firmware into the driver using the firmware agent.

### 2. COMPILING AND INSTALLING THE DRIVER

Most users should be able to compile the driver by simply running:

```
$ make
```

in the top-level directory of the driver kit. First the kernel modules will be built, followed by the example applications.

If the build system is unable to locate the kernel source tree for the currently-running kernel, or if the module should be built for a kernel other than the currently-running kernel, an additional parameter will need to be passed to make to specify the appropriate kernel source directory:

```
$ make KERNELSRC=/usr/src/linux-2.6.10-custom3
```

Once the compile completes, the driver and firmware files should be installed by running:

```
$ make install
```

The kernel modules will be placed in "/lib/modules/<KERNEL VERSION>/extra" and the firmware files will be placed in the appropriate hotplug firmware directory, usually /lib/firmware. In addition, USB maps and scripts will be placed in /etc/hotplug/usb to enable fxload to initialize the EZ-USB control chip when the device is connected.

### 3. PAL/SECAM TUNER CONFIGURATION (TV402U-EU only)
The PAL model of the Plextor ConvertX TV402U may require additional configuration to correctly select the appropriate TV frequency band and audio subchannel.

Users with a device other than the Plextor ConvertX TV402U-EU should skip this section.

The wide variety of PAL TV systems used in Europe requires that additional information about the local TV standards be passed to the driver in order to properly tune TV channels. The two necessary parameters are (a) the PAL TV band, and (b) the audio subchannel format in use.

In many cases, the appropriate TV band selection is passed to the driver from applications. However, in some cases, the application only specifies that the driver should use PAL but not the specific information about the appropriate TV band. To work around this issue, the correct TV band may be specified in the "force_band" parameter to the wis-sony-tuner module:

<table>
<thead>
<tr>
<th>TV band</th>
<th>force_band</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAL B/G</td>
<td>B</td>
</tr>
<tr>
<td>PAL I</td>
<td>I</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>D</td>
</tr>
<tr>
<td>SECAM L</td>
<td>L</td>
</tr>
</tbody>
</table>

If the "force_band" parameter is specified, the driver will ignore any TV band specified by applications and will always use the band provided in the module parameter.

The other parameter that can be specified is the audio subchannel format. There are several stereo audio carrier systems in use, including NICAM and three varieties of A2. To receive audio broadcast on one of these stereo carriers, the "force_mpx_mode" parameter must be specified to the wis-sony-tuner module.

<table>
<thead>
<tr>
<th>TV band</th>
<th>Audio subcarrier</th>
<th>force_mpx_mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAL B/G</td>
<td>Mono (default)</td>
<td>1</td>
</tr>
<tr>
<td>PAL B/G</td>
<td>A2</td>
<td>2</td>
</tr>
<tr>
<td>PAL B/G</td>
<td>NICAM</td>
<td>3</td>
</tr>
<tr>
<td>PAL I</td>
<td>Mono (default)</td>
<td>4</td>
</tr>
<tr>
<td>PAL I</td>
<td>NICAM</td>
<td>5</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>Mono (default)</td>
<td>6</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>A2 (1)</td>
<td>7</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>A2 (2)</td>
<td>8</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>A2 (3)</td>
<td>9</td>
</tr>
<tr>
<td>PAL D/K</td>
<td>NICAM</td>
<td>10</td>
</tr>
<tr>
<td>SECAM L</td>
<td>Mono (default)</td>
<td>11</td>
</tr>
</tbody>
</table>
If the "force_mpx_mode" parameter is not specified, the correct mono-only mode will be chosen based on the TV band. However, the tuner will not receive stereo audio or bilingual broadcasts correctly.

To pass the "force_band" or "force_mpx_mode" parameters to the wis-sony-tuner module, the following line must be added to the modprobe configuration file, which varies from one Linux distribution to another.

```
options wis-sony-tuner force_band=B force_mpx_mode=2
```

The above example would force the tuner to the PAL B/G TV band and receive stereo audio broadcasts on the A2 carrier.

To verify that the configuration has been placed in the correct location, execute:

```
$ modprobe -c | grep wis-sony-tuner
```

If the configuration line appears, then modprobe will pass the parameters correctly the next time the wis-sony-tuner module is loaded into the kernel.

4. TESTING THE DRIVER

Because few Linux applications are able to correctly capture from Video4Linux2 devices with only compressed formats supported, the new driver should be tested with the "gorecord" application in the apps/ directory.

First connect a video source to the device, such as a DVD player or VCR. This will be captured to a file for testing the driver. If an input source is unavailable, a test file can still be captured, but the video will be black and the audio will be silent.

This application will auto-detect the V4L2 and ALSA/OSS device names of the hardware and will record video and audio to an AVI file for a specified number of seconds. For example:

```
$ apps/gorecord -duration 60 capture.avi
```

If this application does not successfully record an AVI file, the error messages produced by gorecord and recorded in the system log (usually in /var/log/messages) should provide information to help resolve the problem.

Supplying no parameters to gorecord will cause it to probe the available
5. USING THE DRIVER

The V4L2 device implemented by the driver provides a standard compressed format API, within the following criteria:

* Applications that only support the original Video4Linux1 API will not be able to communicate with this driver at all.

* No raw video modes are supported, so applications like xawtv that expect only uncompressed video will not function.

* Supported compression formats are: Motion-JPEG, MPEG1, MPEG2 and MPEG4.

* MPEG video formats are delivered as Video Elementary Streams only. Program Stream (PS), Transport Stream (TS) and Packetized Elementary Stream (PES) formats are not supported.

* Video parameters such as format and input port may not be changed while the encoder is active.

* The audio capture device only functions when the video encoder is actively capturing video. Attempts to read from the audio device when the encoder is inactive will result in an I/O error.

* The native format of the audio device is 48Khz 2-channel 16-bit little-endian PCM, delivered through the ALSA system. No audio compression is implemented in the hardware. ALSA may convert to other uncompressed formats on the fly.

The include/ directory contains a C header file describing non-standard features of the GO7007SB encoder, which are described below:

GO7007IOC_S_COMP_PARAMS, GO7007IOC_G_COMP_PARAMS

These ioctls are used to negotiate general compression parameters.

To query the current parameters, call the GO7007IOC_G_COMP_PARAMS ioctl with a pointer to a struct go7007_comp_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct go7007_comp_params and call the GO7007_IOC_S_COMP_PARAMS ioctl with a pointer to this structure. The driver will return the current
parameters with any necessary changes to conform to the limitations of the hardware or current compression mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct go7007_comp_params:

__u32 gop_size
The maximum number of frames in each Group Of Pictures; i.e. the maximum number of frames minus one between each key frame.

__u32 max_b_frames
The maximum number of sequential bidirectionally-predicted frames. (B-frames are not yet supported.)

enum go7007_aspect_ratio aspect_ratio
The aspect ratio to be encoded in the meta-data of the compressed format.

Choices are:
GO7007_ASPECT_RATIO_1_1
GO7007_ASPECT_RATIO_4_3_NTSC
GO7007_ASPECT_RATIO_4_3_PAL
GO7007_ASPECT_RATIO_16_9_NTSC
GO7007_ASPECT_RATIO_16_9_PAL

__u32 flags
Bit-wise OR of control flags (below)

Flags in struct go7007_comp_params:

GO7007_COMP_CLOSED_GOP
Only produce self-contained GOPs, used to produce streams appropriate for random seeking.

GO7007_COMP_OMIT_SEQ_HEADER
Omit the stream sequence header.

GO7007_IOC_S_MPEG_PARAMS, GO7007_IOC_G_MPEG_PARAMS

These ioctls are used to negotiate MPEG-specific stream parameters when the pixelformat has been set to V4L2_PIX_FMT_MPEG.

To query the current parameters, call the GO7007_IOC_G_MPEG_PARAMS ioctl with a pointer to a struct go7007_mpeg_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.
To change the current parameters, initialize all fields of a struct `go7007_mpeg_params` and call the `GO7007_IOC_S_MPEG_PARAMS` ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or selected MPEG mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct `go7007_mpeg_params`:

```c
enum go7007_mpeg_video_standard
    mpeg_video_standard        The MPEG video standard in which to compress the video.

    Choices are:
    GO7007_MPEG_VIDEO_MPEG1
    GO7007_MPEG_VIDEO_MPEG2
    GO7007_MPEG_VIDEO_MPEG4

__u32                        Bit-wise OR of control flags (below)
    flags

__u32                        The profile and level indication to be stored in the sequence header. This is only used as an indicator to the decoder, and does not affect the MPEG features used in the video stream. Not valid for MPEG1.
    pali

    Choices for MPEG2 are:
    GO7007_MPEG2_PROFILE_MAIN_MAIN

    Choices for MPEG4 are:
    GO7007_MPEG4_PROFILE_S_L0
    GO7007_MPEG4_PROFILE_S_L1
    GO7007_MPEG4_PROFILE_S_L2
    GO7007_MPEG4_PROFILE_S_L3
    GO7007_MPEG4_PROFILE_ARTS_L1
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    GO7007_MPEG4_PROFILE_AS_L2
    GO7007_MPEG4_PROFILE_AS_L3
    GO7007_MPEG4_PROFILE_AS_L4
    GO7007_MPEG4_PROFILE_AS_L5
```
Flags in struct go7007_mpeg_params:

- **GO7007_MPEG_FORCE_DVD_MODE**: Force all compression parameters and bitrate control settings to comply with DVD MPEG2 stream requirements. This overrides most compression and bitrate settings!

- **GO7007_MPEG_OMIT_GOP_HEADER**: Omit the GOP header.

- **GO7007_MPEG_REPEAT_SEQHEADER**: Repeat the MPEG sequence header at the start of each GOP.

**GO7007IOC_S_BITRATE, GO7007IOC_G_BITRATE**

These ioctls are used to set and query the target bitrate value for the compressed video stream. The bitrate may be selected by storing the target bits per second in an int and calling GO7007IOC_S_BITRATE with a pointer to the int. The bitrate may be queried by calling GO7007IOC_G_BITRATE with a pointer to an int where the current bitrate will be stored.

Note that this is the primary means of controlling the video quality for all compression modes, including V4L2_PIX_FMT_MJPEG. The VIDIOC_S_JPEGCOMP ioctl is not supported.

---

**Installing the WIS PCI Voyager Driver**

The WIS PCI Voyager driver requires several patches to the Linux 2.6.11.x kernel source tree before compiling the driver. These patches update the in-kernel SAA7134 driver to the newest development version and patch bugs in the TDA8290/TDA8275 tuner driver.

The following patches must be downloaded from Gerd Knorr’s website and applied in the order listed:

- http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner
- http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner2
- http://dl.bytesex.org/patches/2.6.11-2/v4l2-api-mpeg
- http://dl.bytesex.org/patches/2.6.11-2/saa7134-update

The following patches are included with this SDK and can be applied in any order:
Check to make sure the CONFIG_VIDEO_SAA7134 option is enabled in the kernel configuration, and build and install the kernel.

After rebooting into the new kernel, the GO7007 driver can be compiled and installed:

$ make SAA7134_BUILD=y
$ make install
$ modprobe saa7134-go7007

There will be two V4L video devices associated with the PCI Voyager. The first device (most likely /dev/video0) provides access to the raw video capture mode of the SAA7133 device and is used to configure the source video parameters and tune the TV tuner. This device can be used with xawtv or other V4L(2) video software as a standard uncompressed device.

The second device (most likely /dev/video1) provides access to the compression functions of the GO7007. It can be tested using the gorecord application in the apps/ directory of this SDK:

$ apps/gorecord -vdevice /dev/video1 -noaudio test.avi

Currently the frame resolution is fixed at 720x480 (NTSC) or 720x576 (PAL), and the video standard must be specified to both the raw and the compressed video devices (xawtv and gorecord, for example).

------------------------------------------------------------------------
RELEASE NOTES FOR WIS GO7007SB LINUX DRIVER
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Last updated: 5 November 2005

- Release 0.9.7 includes new support for using udev to run fxload. The install script should automatically detect whether the old hotplug scripts or the new udev rules should be used. To force the use of hotplug, run "make install USE_UDEV=n". To force the use of udev, run "make install USE_UDEV=y".

- Motion detection is supported but undocumented. Try the `modet` app for a demonstration of how to use the facility.

- Using USB2.0 devices such as the TV402U with USB1.1 HCDs or hubs can
cause buffer overruns and frame drops, even at low framerates, due to
inconsistency in the bitrate control mechanism.

- On devices with an SAA7115, including the Plextor ConvertX, video height
  values of 96, 128, 160, 192, 256, 320, and 384 do not work in NTSC mode.
  All valid heights up to 512 work correctly in PAL mode.

- The WIS Star Trek and PCI Voyager boards have no support yet for audio
  or the TV tuner.

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The firmware files "dvb-usb-it9135-01.fw" and "dvb-usb-it9135-02.fw"
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===============================================================================
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*/
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*
* $Id: sha2.c,v 1.1 2001/11/08 00:01:51 adg Exp adg $
*/
File: LLM_sp_sha2.c

/ *
* FILE: sha2.h
* AUTHOR: Aaron D. Gifford <me@aarongifford.com>
*
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2.

/* utility to create the register check tables
 * this includes inlined list.h safe for userspace.
 *
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 *
 * Authors:
 * Jerome Glisse
 * Dave Airlie
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*/
File: comm_lib.h

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

3.

/* crypto/aes/aes.h -*- mode:C; c-file-style: "eay" -*- */
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===============================================================================

4.

/* crypto/aes/aes_core.c -*- mode:C; c-file-style: "eay" .*- */
/**
 * rijndael-alg-fst.c
 *
 * @version 3.0 (December 2000)
 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
 * @author Paulo Barreto <paulo.barreto@terra.com.br>
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 */

File: aes_core.c
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Dr B. R. Gladman <brg@gladman.uk.net> 1st June 2001.

This is an implementation of the AES encryption algorithm (Rijndael) designed by Joan Daemen and Vincent Rijmen. This version is designed to provide both fixed and dynamic block and key lengths and can also run with either big or little endian internal byte order.

NOTE: Input block and key lengths are given in terms of the lengths of the byte arrays involved, the legal values being 16, 24 and 32.

A. THE CIPHER INTERFACE

byte                    (an unsigned 8-bit type)
word                    (an unsigned 32-bit type)
aes_ret:                (a signed 16 bit type for function return values)
aes_good                (value != 0, a good return)
aes_bad                 (value == 0, an error return)
enum aes_key:           (encryption direction)
enc                     (set key for encryption)
dec                     (set key for decryption)
both                    (set key for both)
class or struct aes     (structure for context)

C subroutine calls:

aes_ret set_blk(const word block_length, aes *cx)  (variable block size)
aes_ret set_key(const byte key[], const word key_length,
          const enum aes_key direction, aes *cx)
aes_ret encrypt(const byte input_blk[], byte output_blk[], const aes *cx)
aes_ret decrypt(const byte input_blk[], byte output_blk[], const aes *cx)

IMPORTANT NOTE: If you are using this C interface and your compiler does not set the memory used for objects to zero before use, you will need to ensure that cx.mode is set to zero before using the C subroutine calls.

C++ aes class subroutines:

aes_ret set_blk(const word block_length)  (variable block size)
aes_ret set_key(const byte key[], const word key_length,
          const aes_key direction)
aes_ret encrypt(const byte input_blk[], byte output_blk[]) const
aes_ret decrypt(const byte input_blk[], byte output_blk[]) const

The block length inputs to set_block and set_key are in numbers of BYTES, not bits. The calls to subroutines must be made in the above order but multiple calls can be made without repeating earlier calls if their parameters have not changed. If the cipher block length is variable but set_blk has not been called before cipher operations a value of 16 is assumed (that is, the AES block size). In contrast to earlier versions the block and key length parameters are now checked for correctness and the encryption and decryption routines check to ensure that an appropriate key has been set before they are called.

B. BYTE ORDER WITHIN 32 BIT WORDS

The fundamental data processing units in Rijndael are 8-bit bytes. The input, the output and the key input are all enumerated arrays of bytes in which bytes are numbered starting at zero and increasing to one less than the number of bytes in the array in question. When these inputs and outputs are considered as bit sequences, the n'th byte contains bits 8n to 8n+7 of the sequence with the lower numbered bit mapped to the most significant bit within the byte (i.e. that having a numeric value of 128). However, Rijndael can be implemented more efficiently using 32-bit words to process 4 bytes at a time provided that the order of bytes within words is known. This order is called big-endian if the lowest numbered bytes in words have the highest numeric significance and little-endian if the opposite applies. This code can work in either order irrespective of the native order of the machine on which it runs.

The byte order used internally is set by defining INTERNAL_BYTE_ORDER
whereas the order for all inputs and outputs is specified by defining
EXTERNAL_BYTE_ORDER, the only purpose of the latter being to determine
if a byte order change is needed immediately after input and immediately
before output to account for the use of a different internal byte order.
In almost all situations both of these defines will be set to the native
order of the processor on which the code is to run but other settings
may sometimes be useful in special circumstances.

#define INTERNAL_BYTE_ORDER LITTLE_ENDIAN
#define EXTERNAL_BYTE_ORDER LITTLE_ENDIAN

C. COMPILATION

To compile AES (Rijndael) for use in C code
a. Exclude the AES_DLL define in aes.h
b. Exclude the AES_IN_CPP define in aes.h

to compile AES (Rijndael) for use in C++ code
a. Exclude the AES_DLL define in aes.h
b. Include the AES_IN_CPP define in aes.h

To compile AES (Rijndael) in C as a Dynamic Link Library
a. Include the AES_DLL define in aes.h
b. Compile the DLL. If using the test files, exclude aes.c from
the test build project and compile it with the same defines
as used for the DLL (ensure that the DLL path is correct)

D. CONFIGURATION OPTIONS (see also aes.c)

1. define BLOCK_SIZE to set the cipher block size (16, 24 or 32) or
leave this undefined for dynamically variable block size (this will
result in much slower code).
2. set AES_IN_CPP to use the code from C++ rather than C
3. set AES_DLL if AES (Rijndael) is to be compiled to a DLL
4. set INTERNAL_BYTE_ORDER to one of the above constants to set the
internal byte order (the order used within the algorithm code)
5. set EXTERNAL_BYTE_ORDER to one of the above constants to set the byte
order used at the external interfaces for the input, output and key
byte arrays.

IMPORTANT NOTE: BLOCK_SIZE is in BYTES: 16, 24, 32 or undefined for aes.c
and 16, 20, 24, 28, 32 or undefined for aes++.c. If left undefined a
slower version providing variable block length is compiled

#define BLOCK_SIZE 16

Define AES_IN_CPP if you intend to use the AES C++ class rather than the
C code directly.
#define AES_IN_CPP

Define AES_DLL if you wish to compile the code to produce a Windows DLL

#define AES_DLL

*/

File: aes.h

/*===========================================================================
EDIT HISTORY FOR FILE
===========================================================================*/

$Header: //depot/asic/msmshared/sec/sec/MSM_SEC/03.03.08.xx/aes_tab.h#1 $  
$DateTime: 2006/12/11 00:43:21 $  $Author: davidf $  

when who what, where, why
-------- --- ----------------------------------------------------------
11/12/04 rv changes to correct LINT errors  
02/02/04 rwh Small mods to open source.

/*lint -e146 -e303 */
/* 146: Assuming a binary constant */
/* 303: String too long (try +macros) */

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Dr B. R. Gladman <brg@gladman.uk.net> 1st June 2001.
*/

File: aes_tab.h

===============================================================================
6.  
===============================================================================

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#
#
# The purpose of this module is to define how a check is to be performed.
# Use one of the Check...() functions below.
#
#
# A context class is used that defines functions for carrying out the tests,
# logging and messages. The following methods and members must be present:
#
# context.Display(msg)  Function called to print messages that are normally
#                       displayed for the user. Newlines are explicitly used.
#                       The text should also be written to the logfile!
#
# context.Log(msg)      Function called to write to a log file.
#
# context.BuildProg(text, ext)
#                       Function called to build a program, using "ext" for the
#                       file extention. Must return an empty string for
#                       success, an error message for failure.
#                       For reliable test results building should be done just
#                       like an actual program would be build, using the same
#                       command and arguments (including configure results so
#                       far).
#
# context.CompileProg(text, ext)
#                       Function called to compile a program, using "ext" for
#                       the file extention. Must return an empty string for
#                       success, an error message for failure.
#                       For reliable test results compiling should be done just
# like an actual source file would be compiled, using the
# same command and arguments (including configure results
# so far).
#
# # context.AppendLIBS(lib_name_list)
# # Append "lib_name_list" to the value of LIBS.
# # "lib_namelist" is a list of strings.
# # Return the value of LIBS before changing it (any type
# # can be used, it is passed to SetLIBS() later.)
#
# # context.PrependLIBS(lib_name_list)
# # Prepend "lib_name_list" to the value of LIBS.
# # "lib_namelist" is a list of strings.
# # Return the value of LIBS before changing it (any type
# # can be used, it is passed to SetLIBS() later.)
#
# # context.SetLIBS(value)
# # Set LIBS to "value". The type of "value" is what
# # AppendLIBS() returned.
# # Return the value of LIBS before changing it (any type
# # can be used, it is passed to SetLIBS() later.)
#
# # context.headerfilename
# # Name of file to append configure results to, usually
# # "confdefs.h".
# # The file must not exist or be empty when starting.
# # Empty or None to skip this (some tests will not work!).
#
# # context.config_h      (may be missing). If present, must be a string, which
# # will be filled with the contents of a config_h file.
#
# # context.vardict       Dictionary holding variables used for the tests and
# # stores results from the tests, used for the build
# # commands.
# # Normally contains "CC", "LIBS", "CPPFLAGS", etc.
#
# # context.havedict      Dictionary holding results from the tests that are to
# # be used inside a program.
# # Names often start with "HAVE_". These are zero
# # (feature not present) or one (feature present). Other
# # variables may have any value, e.g., "PERLVERSION" can
#
===============================================================================

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 The data format used by the zlib library is described by RFCs (Request for
 Comments) 1950 to 1952 in the files http://www.ietf.org/rfc/rfc1950.txt
 (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

 */
//
//
/*
 * This code implements the MD5 message-digest algorithm.
 * The algorithm is due to Ron Rivest. This code was
 * written by Colin Plumb in 1993, no copyright is claimed.
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 *
 * Equivalent code is available from RSA Data Security, Inc.
 * This code has been tested against that, and is equivalent,
 * except that you don't need to include two pages of legalese
 * with every copy.
 *
 * To compute the message digest of a chunk of bytes, declare an
 * MD5Context structure, pass it to MD5Init, call MD5Update as
 * needed on buffers full of bytes, and then call MD5Final, which
 * will fill a supplied 16-byte array with the digest.
 */

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

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/************************************************************************

/*-.
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* code or tables extracted from it, as desired without restriction.
*
* First, the polynomial itself and its table of feedback terms. The
* polynomial is
* X^32+X^26+X^23+X^22+X^16+X^12+X^11+X^10+X^8+X^7+X^5+X^4+X^2+X^1+X^0
* Note that we take it "backwards" and put the highest-order term in
* the lowest-order bit. The X^32 term is "implied"; the LSB is the
* X^31 term, etc. The X^0 term (usually shown as "+1") results in
* the MSB being 1
*
* Note that the usual hardware shift register implementation, which
* is what we're using (we're merely optimizing it by doing eight-bit
* chunks at a time) shifts bits into the lowest-order term. In our
* implementation, that means shifting towards the right. Why do we
* do it this way? Because the calculated CRC must be transmitted in
* order from highest-order term to lowest-order term. UARTs transmit
* characters in order from LSB to MSB. By storing the CRC this way
* we hand it to the UART in the order low-byte to high-byte; the UART
* sends each low-bit to hight-bit; and the result is transmission bit
* by bit from highest- to lowest-order term without requiring any bit
* shuffling on our part. Reception works similarly
*
* The feedback terms table consists of 256, 32-bit entries. Notes
* The table can be generated at runtime if desired; code to do so
* is shown later. It might not be obvious, but the feedback
* terms simply represent the results of eight shift/xor opera
* tions for all combinations of data and CRC register values
* The values must be right-shifted by eight bits by the "updcrc
* logic; the shift must be unsigned (bring in zeroes). On some
* hardware you could probably optimize the shift in assembler by
* using byte-swap instructions
* polynomial $edb88320
The AES algorithm Rijndael implemented for block and key sizes of 128, 192 and 256 bits (16, 24 and 32 bytes) by Brian Gladman.

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Dr B. R. Gladman <brg@gladman.uk.net> 1st June 2001.

Original code by Steve Reid <steve@edmweb.com> and Aaron D. Gifford <agifford@infowest.com>.

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* hmac_sha1.c
*
* Version 1.0.0
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Firmware provided as part of an XC5000C Linux developers kit by Ramon Cazares
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agere_sta_fw.bin -- 9.48 Hermes I
agere_ap_fw.bin -- 9.48 Hermes I

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The following statement from Agere clarifies the status of the firmware
*
---
I would like to confirm that the two drivers; Linux LKM Wireless Driver
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The Linux driver architecture was based on two modules, the MSF (Module specific functions) and the HCF (Hardware Control Functions). Included in the HCF is run-time firmware (binary format) which is downloaded into the RAM of the Hermes 1/2/2.5 WMAC.

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Hope this helps.

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Viren Pathare
Intellectual Property Licensing Manager
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1.325 linuxconsoletools 1.4.5 :3.el7

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1.327 lm_sensors 3.4.0
:4.20160601gitf9185e5.el7
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Ty Coon, President of Vice

That's all there is to it!
Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
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* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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

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Public License instead of this License.  But first, please read
1.340 make 3.82 :23.el7

1.340.1 Available under license:

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

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Because of this blurred distinction, using the ordinary General
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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1.341 mariadb 5.5.56 :2.el7

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The MariaDB packages were initially made by http://ourdelta.org/, and are now managed by the MariaDB development team, maria-developers@lists.launchpad.net

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SHOW CONTRIBUTORS;

`#---------------------BS_STVARS_040_01----------------------#`
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected

`#---------------------BS_STVARS_040_02----------------------#`
SET @@GLOBAL.license=1;
ERROR HY000: Variable 'license' is a read only variable
Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected

`#---------------------BS_STVARS_040_03----------------------#`
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
@@GLOBAL.license = VARIABLE_VALUE
1
1 Expected
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
COUNT(VARIABLE_VALUE)
1
1 Expected

`#---------------------BS_STVARS_040_04----------------------#`
SELECT @@license = @@GLOBAL.license;
@@license = @@GLOBAL.license
1
1 Expected
'#-------------------------------------------------------------------------------BS_STVARS_040_05#-------------------------------------------------------------------------------'
SELECT COUNT(@@license);
COUNT(@@license)
1
1 Expected
SELECT COUNT(@@local.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@SESSION.license);
ERROR HY000: Variable 'license' is a GLOBAL variable
Expected error 'Variable is a GLOBAL variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT license = @@SESSION.license;
ERROR 42S22: Unknown column 'license' in 'field list'
Expected error 'Readonly variable'

########################################################################

#----------------------------------------------------------------------------------------#
#                                                                              #
# Variable Name: license                                                      #
# Scope: Global                                                               #
# Access Type: Static                                                         #
# Data Type: string                                                           #
#                                                                              #
#                                                                              #
# Creation Date: 2008-02-07                                                   #
# Author : Sharique Abdullah                                                  #
#                                                                              #
# Description: Test Cases of Dynamic System Variable license                 #
# that checks the behavior of this variable in the following ways            #
# * Value Check                                                              #
# * Scope Check                                                              #
#                                                                              #
# Reference: http://dev.mysql.com/doc/refman/5.1/en/                          #
# server-system-variables.html                                               #
#                                                                              #
#----------------------------------------------------------------------------------------#

--echo '#---------------------BS_STVARS_040_01----------------------#'
# Displaying default value

```
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected
```

--echo '#---------------------BS_STVARS_040_02----------------------#'

# Check if Value can set

```
--error ER_INCORRECT_GLOBAL_LOCAL_VAR
SET @@GLOBAL.license=1;
--echo Expected error 'Read only variable'
```

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--echo '#---------------------BS_STVARS_040_03----------------------#'

# Check if the value in GLOBAL Table matches value in variable

```
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected
```

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected

--echo '#---------------------BS_STVARS_040_04----------------------#'

# Check if accessing variable with and without GLOBAL point to same variable

```
SELECT @@license = @@GLOBAL.license;
--echo 1 Expected
```

--echo '#---------------------BS_STVARS_040_04----------------------#'

# Check if accessing variable with and without GLOBAL point to same variable

```
SELECT @@license = @@GLOBAL.license;
--echo 1 Expected
```
--echo '#---------------------BS_STVARS_040_05----------------------#'
# Check if license can be accessed with and without @@ sign  #
#******************************************************************************

SELECT COUNT(@@license);
--echo 1 Expected

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@local.license);
--echo Expected error 'Variable is a GLOBAL variable'

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@SESSION.license);
--echo Expected error 'Variable is a GLOBAL variable'

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--Error ER_BAD_FIELD_ERROR
SELECT license = @@SESSION.license;
--echo Expected error 'Readonly variable'

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

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1.345 mesa 17.0.1 :6.20170307.el7

1.345.1 Available under license :

1.345 mesa 17.0.1 :6.20170307.el7

1.345.1 Available under license :

Mesa is a 3-D graphics library with an API which is very similar to
that of <a href="http://www.opengl.org/">OpenGL</a>.*
To the extent that Mesa utilizes the OpenGL command syntax or state
machine, it is being used with authorization from <a href="http://www.sgi.com/">Silicon Graphics,
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from SGI, and makes no claim that Mesa is in any way a compatible
replacement for OpenGL or associated with SGI. Those who want a
licensed implementation of OpenGL should contact a licensed
vendor.
</p>

<p>
Please do not refer to the library as <em>MesaGL</em> (for legal
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library</em>. <br>
</p>

<p>
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>Silicon Graphics Incorporated</a>.
</p>

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some of the Mesa device drivers are copyrighted by their authors.
See below for a list of Mesa's main components and the license for each.
</p>

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

<p>
The default Mesa license is as follows:
</p>

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</pre>

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

<h1>Mesa Component Licenses</h1>

<pre>
Component               Location               License
------------------------------------------------------------------
Main Mesa code           src/mesa/               MIT
Device drivers           src/mesa/drivers/*     MIT, generally
Gallium code             src/gallium/            MIT
Ext headers              include/GL/glext.h      Khronos
                         include/GL/glxext.h
GLX client code          src/glx/                SGI Free Software License B
C11 thread               include/c11/threads*.h Boost (permissive)
emulation</pre>

In general, consult the source files for license terms.
/* Legal characters in GLSL are:
*    * Identifier characters:
*    *    * Letters a-z
*    *    * Letters A-Z
*    *    * Underscore
*    *    * Numbers 0-9
*    * Punctuation:
*    *    * Period, plus, dash, slash, asterisk, percent, angled brackets,
*    *    * square brackets, parentheses, braces, caret, vertical bar,
*    *    * ampersand, tilde, equals, exclamation point, colon, semicolon,
* comma, and question mark
* 
* Special:
* 
* Number sign (as used in preprocessor)
* 
* Backslash just before newline as line continuation
* 
* White space:
* 
* Space, horizontal tab, vertical tab, form feed, carriage-return, and line-feed.
* 
* [GLSL Language Specification 4.30.6, section 3.1]
* 
* In this file, we test each of these in turn as follows:
* 
* Identifier characters: All pass through unchanged
* Punctuation: All pass through unchanged
* Special: Empty directive replaced with blank line
* Line continuation merges two lines, then a blank line
* Whitespace: 4 horizontal space characters each replaced with space
* 2 newline characters each replaced with a newline
* 
*/
abcdefghijklmnopqrstuvwxyz
ABCDEFGHIJKLMNOPQRSTUVWXYZ

_0123456789
- + - 
/ *
%
< > [
] ( ) 
{ } ^ |
& ~ =
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Yes to both questions.

Thanks,
Jorge

---

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> 
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
Specifically, if this is done as part of documentation included with Mesa, is that sufficient to meet clause 2 even if the Mesa config option is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default quality". Is this in compliance with your exception?

Thanks again,

~tom

==

Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez\'s MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.
The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*       "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
*       Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
*       Only for use in the Mesa project, this point 2 is filled by naming the
*       technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

1.346 mgetty 1.2.1 :28.el7.centos

1.346.1 Available under license :

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1.347 microcode_ctl 2.1 :22.el7

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1.350 mkfontscale 1.1.1 :2.1.2

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1.351 mongoose web server 3.5

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1.352 mozjs17 17.0.0 :19.el7

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

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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That's all there is to it!

1.355 MySQL Connector/J 5.1.13

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Version 0.6, 7 March 2007

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

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Files: install-sh
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Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

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1.357 ndisc6 1.0.3 :1.el7
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1.358 net-snmp 5.7.2 :28.el7.1

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

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1.361 NetworkManager 1.8.0 :9.el7

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On all platforms, Nmap is normally linked with:
o libpcap: Network packet capture library. Distributed with Nmap in the
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http://www.tcpdump.org/
o libdnet: Networking library, used for low-level tasks such as sending
ethernet frames. A modified version is distributed with Nmap in the
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is in the file NMAP_MODIFICATIONS.
http://code.google.com/p/libdnet/
o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's
version detection and is also made available as an NSE library.
Distributed with Nmap in the libpcre subdirectory.
http://www.pcre.org/
o liblua: Lua programming language. Lua is the implementation language
of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow
running Lua programs inside Nmap. Distributed with Nmap in the liblua
subdirectory. liblua can be omitted by configuring with the
--without-liblua configuration directive.
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- OpenSSL: Cryptographic library. OpenSSL is used by service detection
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  http://www.openssl.org/

- LIBLINEAR. Used for IPv6 OS classification.
  http://www.csie.ntu.edu.tw/~cjlin/liblinear/

- libsvn. The Subversion library, used by the updater program


On Windows only, Nmap uses:

- WinPcap: libpcap for Windows. The libpcap license applies to WinPcap,
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Zenmap and Ndiff require:

- Python. The binary distributions of Nmap include a Python interpreter
  and various libraries, built using either py2exe or py2app.
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The Windows and Mac OS X binary packages include bundled versions of:

- GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU
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  http://www.gtk.org/

- Cairo: graphics library. Dual-licensed under the GNU LGPL 2.1 and the
  MPL 1.1. See the files licenses/lgpl-2.1 and licenses/mpl-1.1.
  http://www.cairographics.org/

- libgailutil: Accessibility support for GTK+.

- libpng, jpeg, LibTIFF: Image file format libraries used by GTK+.

- zlib and bzip2: compression libraries.

- Expat: XML parser library.
  http://expat.sourceforge.net/

- fontconfig: font configuration library.
  http://www.fontconfig.org/

- FreeType: font rendering library.
  http://www.freetype.org/

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   http://xmlsoft.org/
o SQLite.
   http://www.sqlite.org/
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   http://www.pygtk.org/
o PyCairo: bindings for Python. Dual-licensed under the GNU LGPL 2.1
   and the MPL 1.1.

The Mac OS binary packages also include:
o Various X.org libraries. These were built using MacPorts.
   http://www.x.org/ http://www.macports.org/

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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel
THE C++ WRAPPER FUNCTIONS
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import * as try_syntax from "./try_syntax";
import extend from "./extend";

const main = async () => {
  // Init try syntax filter.
  if (process.env.TC_PROJECT == "nss-try") {
    await try_syntax.initFilter();
  }

  // Extend the task graph.
  await extend();
};

main().catch(err => {
  console.error(err);
  process.exit(1);
});

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2. [2]Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3]Bernd Altmeier <altmeier@atsoft.de> hopf Elektronik serial line and PCI-bus devices
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6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and isosignal code into separate modules.
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42. [46] Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance

43. [47] Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling

44. [48] Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port

45. [49] Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo

46. [50] Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules

47. [51] Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/subdirectory

48. [52] Ray Schnitzler <schnitz@unipress.com> Unixware1 port

49. [53] Michael Shields <shields@tembel.org> USNO clock driver

50. [54] Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver

51. [55] Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)

52. [56] Kenneth Stone <ken@sdd.hp.com> HP-UX port

53. [57] Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
54. [58] Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
55. [59] Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
56. [60] Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

References

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A/UX port

Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul

Hans Lambermont <Hans.Lambermont@nl.origin-it.com> PARSE <GENERIC> driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling

Frank Kardel <frank.kardel@informatik.uni-erlangen.de> Oncore driver (Original author)

Dave Katz <dkatz@cisco.com> RS/6000 AIX modifications, HPUX modifications

Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver

William L. Jones <wjljones@hermes.chpc.utexas.edu> RS/6000 AIX port

Frank Kardel <frank.kardel@informatik.uni-erlangen.de> adaptation of foundation code for Version 3 as specified in RFC-1305

Danny Mayer <danny.mayer@ntp.org> Network I/O, Windows Port, Code Maintenance

David L. Mills <david.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

Wolfgang Moeller <wolfgang.moeller@gwdg1.dnet.gwdg.de> VMS port

Jeffrey Mogul <mogul@pa.dec.com> ntptime utility

Tom Moore <tmoore@fivel.daytonoh.ncr.com> i386 svr4 port

Kamal A Mostafa <kamal@whence.com> SCO OpenServer port

Derek Mulcahy <derek@toobox.demon.co.uk> ARCRON MSF clock driver

Rob Neal <robert@ntp.org> Bancomm refclock and config/parse code maintenance

Rainer Pruy <rainer.pruy@informatik.uni-erlangen.de> Digital UNIX V4.0 port

Wilfredo Sánchez <wsanchez@apple.com> added support for NetInfo

Nick Sayer <nsayer@quack.kfu.com> SunOS streams modules
Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory

Ray Schnitzler <schnitz@unipress.com> UNIXware1 port

Michael Shields <shields@tembel.org> USNO clock driver

Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver

Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)

Kenneth Stone <ken@sdd.hp.com> HP-UX port

Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support

Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver

Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver

Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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1.382 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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### 1.390 pango 1.40.4 :1.el7

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1.396 perl 5.16.3 :292.el7
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From f5488561bdaab57380bf07e8e66778503a41aca3 Mon Sep 17 00:00:00 2001
From: Father Chrysostomos <sprout@cpan.org>
Date: Sun, 23 Sep 2012 12:42:15 -0700
Subject: [PATCH] =?UTF-8?q?Don=E2=80=99t=20leak=20if=20hh=20copying=20dies?=
MIME-Version: 1.0
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: 8bit

When %^H is copied on entering a new scope, if it happens to have been
tied it can die. This was resulting in leaks, because no protections
were added to handle that case.

The two things that were leaking were the new hash in hv_copy_hints_hv
and the new value (for an element) in newSVsv.

By fixing newSVsv itself, this also fixes any potential leaks when
other pieces of code call newSVsv on explosive values.

Petr Pisar: Ported to 5.16.3
---

3 files changed, 31 insertions(+), 4 deletions(-)

diff --git a/hv.c b/hv.c
index 3c35341..29d6352 100644
--- a/hv.c
+++ b/hv.c
@@ -1440,6 +1440,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)
 const I32 riter = HvRITER_get(ohv);
 HE * const eiter = HvEITER_get(ohv);
+
+ENTER;
+SAVEFREESV(hv);
+while (hv_max &amp;&amp; hv_max + 1 &gt;= hv_fill * 2)
+ hv_max = hv_max / 2;
 HvMAX(hv) = hv_max;
@@ -1461,6 +1464,9 @@ Perl_hv_copy_hints_hv(pTHX_ HV *const ohv)
 } 
 HvRITER_set(ohv, riter);
 HvEITER_set(ohv, eiter);
+
+    SvREFCNT_inc_simple_void_NN(hv);
+    LEAVE;
+
    hv_magic(hv, NULL, PERL_MAGIC_hints);
    return hv;
 diff --git a/sv.c b/sv.c
--- a/sv.c
+++ b/sv.c
@@ -8764,11 +8764,12 @@ Perl_newSVsv(pTHX_ register SV *const old)
 Perl_ck_warner_d(aTHX_ packWARN(WARN_INTERNAL), "semi-panic: attempt to dup freed string");
 return NULL;
 
+	/* Do this here, otherwise we leak the new SV if this croaks. */
+    SvGETMAGIC(old);
+    new_SV(sv);
+	/* SV_GMAGIC is the default for sv_setv() */
+    sv_setsv_flags(sv, old, SV_NOSTEAL);
    return sv;
 }

diff --git a/t/op/svleak.t b/t/op/svleak.t
--- a/t/op/svleak.t
+++ b/t/op/svleak.t
@@ -13,7 +13,7 @@ BEGIN {
 or skip_all("XS::APItest not available");
 }

-    plan tests => 23;
+    plan tests => 24;

    # run some code N times. If the number of SVs at the end of loop N is
    # greater than (N-1)*delta at the end of loop 1, we've got a leak
@@ -176,3 +176,23 @@ leak(2, 0, sub {
 each %$h;
 undef $h;
 }, 'tied hash iteration does not leak');
+

package hhtie {
    sub TIEHASH { bless [] }
    sub STORE    { $_[0][0]{$_[1]} = $_[2] }        
    sub FETCH    { die if $explosive; $_[0][0]{$_[1]} }        
    sub FIRSTKEY { keys %$_[0][0]; each %$_[0][0] }        
    sub NEXTKEY  { each %$_[0][0] }        
}

leak(2,!!$Config{mad}, sub {
    eval q`
    BEGIN {
    $hhtie::explosive = 0;
    tie %H, hhtie;
    $^H{foo} = bar;
    $hhtie::explosive = 1;
    }
    {}
    `);

--

1.8.1.4

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use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

# Create test distribution

{my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl',
);}

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
    "license 'perl' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'perl',
    "META license will be 'perl'" );
is( $meta->{resources}{license},
    "META license URL is correct" );

}

{my $dist = DistGen->new("Open Source Used In Unified Communications Manager Release 12.5.1 SU2 12.5
5362

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

--------------------------------------------------------------------------
use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

# Create test distribution
#----------------------------------------------------------#

{my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl',
);}

$dist->regen;
$dist->chdir_in;

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isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
    "license 'perl' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'perl',
    "META license will be 'perl'" );
is( $meta->{resources}{license},
    "META license URL is correct" );

}

{my $dist = DistGen->new("Open Source Used In Unified Communications Manager Release 12.5.1 SU2 12.5
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

--------------------------------------------------------------------------
use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

# Create test distribution
#----------------------------------------------------------#

{my $dist = DistGen->new(
    name => 'Simple::Name',
    version => '0.01',
    license => 'perl',
);}

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'perl',
    "license 'perl' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'perl',
    "META license will be 'perl'" );
is( $meta->{resources}{license},
    "META license URL is correct" );

}
name => 'Simple::Name',
version => '0.01',
license => 'VaporWare'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
  "license 'VaporWare' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/",
  "META license URL is correct"
);

}

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
This module is free software; you can redistribute it and/or modify it under the same terms as Perl itself.
---
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›."
built_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
  license: http://dev.perl.org/licenses/
  repository: http://github.com/dagolden/module-build/
  version: 3
1.397 perl-Carp 1.26 :244.el7
1.397.1 Available under license:
   From RPM File Metadata:GPL+ or Artistic

1.398 perl-constant 1.27 :2.el7
1.398.1 Available under license:
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1.399 perl-Data-Dumper 2.145 :3.el7
1.399.1 Available under license:
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1.400 perl-Encode 2.51 :7.el7
1.400.1 Available under license:
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1.401 perl-Exporter 5.68 :3.el7
1.401.1 Available under license:
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1.402 perl-File-Path 2.09 :2.el7
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1.403 perl-File-Temp 0.23.01 :3.el7
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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
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1.412 perl-Pod-Usage 1.63 :3.el7
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--
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1.423 pinentry 0.8.1 :17.el7

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1.425 pkgconfig 0.27.1 :4.el7

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

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

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

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inbot-utils (https://github.com/Inbot/inbot-utils)

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5475

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    window.print();
  } else { 

  }
}
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by Tetsuya Kitahata, David Fisher
1.430 policycoreutils 2.5 :29.el7

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Included for the use of the fix_strcasecmp.c module which works around a Solaris problem.

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

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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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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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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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1.442 pulseaudio 10.0 :5.el7

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

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That's all there is to it!

1.444 pygobject3 3.22.0 :1.el7
1.444.1 Available under license :
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Version 2.1, February 1999

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1.447 python 2.7.5 :86.el7_6.1

1.447.1 Available under license :

.. highlightlang:: none

.. _history-and-license:

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### History and License

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#### History of the software

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see 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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Mersenne Twister

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

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

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

Sockets
-------

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

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MD5 message digest algorithm

------------------------
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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

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

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

The :mod:`asynchat` and :mod:`asyncore` modules contain the following notice::

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

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

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test_epoll

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Select kqueue

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

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 * ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++/
```

OpenSSL

---
The modules :mod:`hashlib`, :mod:`posix`, :mod:`ssl`, :mod:`crypt` use the OpenSSL library for added performance if made available by the operating system. Additionally, the Windows installers for Python include a copy of the OpenSSL libraries, so we include a copy of the OpenSSL license here:

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zlib

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

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1.453 python-enum34 1.0.4 :1.el7

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1.454 python-idna 2.4 :1.el7

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In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the
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In May 2000, Guido and the Python core development team moved to
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1.458 python-lxml 3.2.1 :4.el7

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

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

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1.462 python-ply 3.4 :11.el7
1.463 python-pyasn1 0.1.9 :7.el7
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The list is sorted in increasing alphabetic order by first name.

* Andreas Klckner
* Andrew de los Reyes
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1.469 python-suds 0.4.1 :5.el7
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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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

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"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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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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(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.

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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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"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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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
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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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   table, the facility still operates, and performs whatever part of
   its purpose remains meaningful.

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

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   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
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   exercise the right to control the distribution of derivative or
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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whether or not they are linked directly with the Library itself.

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

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

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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/* A yet very simple tool to talk to imdiag (this replaces the
 * previous Java implementation in order to get fewer dependencies).
 *
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#include "config.h"
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <string.h>
#include <arpa/inet.h>
#include <sys/types.h>
#include <sys/socket.h>
#if defined(__FreeBSD__)
#include <netinet/in.h>
#endif

static char *targetIP = "127.0.0.1";
static int targetPort = 13500;

int openConn(int *fd)
{
  int sock;
  struct sockaddr_in addr;
  int port;
  int retries = 0;

  if((sock=socket(AF_INET, SOCK_STREAM, 0))==-1) {
    perror("socket()");
    exit(1);
  }
  
  port = targetPort;
  memset((char *) &addr, 0, sizeof(addr));
  addr.sin_family = AF_INET;
  addr.sin_port = htons(port);
  if(inet_aton(targetIP, &addr.sin_addr)==0) {
    fprintf(stderr, "inet_aton() failed\n");
    exit(1);
  }
  
  while(1) { /* loop broken inside */
    if(connect(sock, (struct sockaddr*)&addr, sizeof(addr)) == 0) {
break;
} else {
    if(retries++ == 50) {
        perror("connect()");
        fprintf(stderr, "connect() failed\n");
        exit(1);
    } else {
        fprintf(stderr, "connect failed, retrying...\n");
        usleep(100000); /* ms = 1000 us! */
    }
}

if(retries > 0) {
    fprintf(stderr, "connection established.\n");
}

*fd = sock;
return 0;
}

/* send a string */
static void
sendCmd(int fd, char *buf, int len)
{
    int lenSend;

    lenSend = send(fd, buf, len, 0);
    if(lenSend != len) {
        perror("sending string");
        exit(1);
    }
}

/* wait for a response from remote system */
static void
waitRsp(int fd, char *buf, int len)
{
    int ret;

    ret = recv(fd, buf, len - 1, 0);
    if(ret < 0) {
        perror("receiving response");
        exit(1);
    }
/* we assume the message was complete, it may be better to wait
* for a LF...
*/
buf[ret] = '0';

/* do the actual processing
*/
static void
doProcessing()
{

int fd;
int len;
char line[2048];

openConn(&fd);
while(!feof(stdin)) {

if(fgets(line, sizeof(line) - 1, stdin) == NULL)
break;
len = strlen(line);
sendCmd(fd, line, len);
waitRsp(fd, line, sizeof(line));
printf("imdiag[%d]: %s", targetPort, line);
if (strstr(line, "imdiag::error") != NULL) {
exit(1);
}
}

/* Run the test.
* rgerhards, 2009-04-03
*/
int main(int argc, char *argv[])
{
int ret = 0;
int opt;

while((opt = getopt(argc, argv, "t:p:")) != -1) {
switch (opt) {

case 't':targetIP = optarg;
break;

case 'p':targetPort = atoi(optarg);
break;

default: printf("invalid option \"%c\" or value missing - terminating...\n", opt);
exit (1);
break;

}
doProcessing();
exit(ret);

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Version 3, 29 June 2007

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

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

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

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October 28, 1997
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Sam Lantinga(slouken@libsdl.org)

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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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1.484 sed 4.2.2 :5.el7
1.484.1 Available under license :
        =========
Test 1.1:101
        =======
Testing argument parsing
First type
e1_l1_1
e1_l1_1
e1_l1_2
e1_l1_2
e1_l1_3
e1_l1_3
e1_l1_4
e1_l1_4
e1_l1_5
e1_l1_5
e1_l1_6
e1_l1_6
e1_l1_7
e1_l1_7
e1_l1_8
e1_l1_8
e1_l1_9
e1_l1_9
e1_l1_10
e1_l1_10
e1_l1_11
e1_l1_11
e1_l1_12
e1_l1_12
e1_l1_13
e1_l1_13
e1_l1_14
e1_l1_14
        =======
Test 1.2:102
        =======
e1_l1_1
Test 1.3:103

Test 1.4:104
Second type

Test 1.4.1:105

Test 1.5:106
| s1_l1_6 |
| s1_l1_6 |
| s1_l1_7 |
| s1_l1_7 |
| s1_l1_8 |
| s1_l1_8 |
| s1_l1_9 |
| s1_l1_9 |
| s1_l1_10 |
| s1_l1_10 |
| s1_l1_11 |
| s1_l1_11 |
| s1_l1_12 |
| s1_l1_12 |
| s1_l1_13 |
| s1_l1_13 |
| s1_l1_14 |
| s1_l1_14 |

=============
Test 1.6:107
=============
| s1_l1_1 |
| s1_l1_1 |
| s1_l1_2 |
| s1_l1_2 |
| s1_l1_3 |
| s1_l1_3 |
| s1_l1_4 |
| s1_l1_4 |
| s1_l1_5 |
| s1_l1_5 |
| s1_l1_6 |
| s1_l1_6 |
| s1_l1_7 |
| s1_l1_7 |
| s1_l1_8 |
| s1_l1_8 |
| s1_l1_9 |
| s1_l1_9 |
| s1_l1_10 |
| s1_l1_10 |
| s1_l1_11 |
| s1_l1_11 |
| s1_l1_12 |
| s1_l1_12 |
| s1_l1_13 |
| s1_l1_13 |
Test 1.7:108

Test 1.8:109
Test 1.9:110

Test 1.10:111
s1_II_9
s1_II_10
s1_II_11
s1_II_12
s1_II_13
s1_II_14

============= Test 1.11:112 =============
e1_II_1
e1_II_2
e1_II_3
e1_II_4
e1_II_5
e1_II_6
e1_II_7
e1_II_8
e1_II_9
e1_II_10
e1_II_11
e1_II_12
e1_II_13
e1_II_14

============= Test 1.12:113 =============
e1_II_1
e1_II_2
e1_II_3
e1_II_4
e1_II_5
e1_II_6
e1_II_7
e1_II_8
e1_II_9
e1_II_10
e1_II_11
e1_II_12
e1_II_13
e1_II_14

============= Test 1.13:114 =============
e1_II_1
e2_e1_II_1
e2_e1_l1_1
e1_l1_2
e2_e1_l1_2
e2_e1_l1_2
e1_l1_3
e2_e1_l1_3
e2_e1_l1_3
e1_l1_4
e2_e1_l1_4
e2_e1_l1_4
e1_l1_5
e2_e1_l1_5
e2_e1_l1_5
e1_l1_6
e2_e1_l1_6
e2_e1_l1_6
e1_l1_7
e2_e1_l1_7
e2_e1_l1_7
e1_l1_8
e2_e1_l1_8
e2_e1_l1_8
e1_l1_9
e2_e1_l1_9
e2_e1_l1_9
e1_l1_10
e2_e1_l1_10
e2_e1_l1_10
e1_l1_11
e2_e1_l1_11
e2_e1_l1_11
e1_l1_12
e2_e1_l1_12
e2_e1_l1_12
e1_l1_13
e2_e1_l1_13
e2_e1_l1_13
e1_l1_14
e2_e1_l1_14
e2_e1_l1_14

============
Test 1.14:115
============
s1_l1_1
s2_s1_l1_1
s2_s1_l1_1
s1_l1_2
el_l1_3
s1_el_l1_3
s1_el_l1_3
e1_l1_4
s1_el_l1_4
s1_el_l1_4
e1_l1_5
s1_el_l1_5
s1_el_l1_5
e1_l1_6
s1_el_l1_6
s1_el_l1_6
e1_l1_7
s1_el_l1_7
s1_el_l1_7
e1_l1_8
s1_el_l1_8
s1_el_l1_8
e1_l1_9
s1_el_l1_9
s1_el_l1_9
e1_l1_10
s1_el_l1_10
s1_el_l1_10
e1_l1_11
s1_el_l1_11
s1_el_l1_11
e1_l1_12
s1_el_l1_12
s1_el_l1_12
e1_l1_13
s1_el_l1_13
s1_el_l1_13
e1_l1_14
s1_el_l1_14
s1_el_l1_14

==============
Test 1.16:117
==============
el_l1_1
e_l1_1
e_l1_1
e_l1_2
e_l1_2
e_l1_3
e_l1_3
e_l1_4
e_l1_4
Test 1.17:118

11_1
11_1
11_2
11_2
11_3
11_3
11_4
11_4
11_5
11_5
11_6
11_6
11_7
11_7
11_8
11_8
11_9
11_9
11_10
11_10
11_11
11_11
11_12
11_12
11_13
11_13
11_14
11_14

Test 1.18:119

11_1
11_2
11_3
11_4
11_5
11_6
11_7
11_8
11_9
11_10
11_11
11_12
Testing address ranges

Test 2.1:120

Test 2.2:121

Test 2.3:122

Test 2.4:123

Test 2.5:124

Test 2.6:125

Test 2.7:126

Test 2.9:127

Test 2.10:128
Test 2.11:129
-------------------
l1_7

-------------------
Test 2.12:130
-------------------
l1_1
l1_2
l1_3
l1_4

-------------------
Test 2.13:131
-------------------
l1_1
l1_2
l1_3
l1_4
l1_5
l1_6
l1_7
l1_8
l1_9
l1_10
l1_11
l1_12
l1_13
l1_14
l2_1
l2_2
l2_3
l2_4
l2_5
l2_6
l2_7
l2_8
l2_9

-------------------
Test 2.14:132
-------------------
l1_1
l1_2
l1_3
l1_4
l1_5
l1_6
Test 2.17:135

Test 2.18:136
Test 2.19:137
----------------
11_12

----------------
Test 2.20:138
----------------
11_7
Brace and other grouping

----------------
Test 3.1:139
----------------
11_1
11_2
11_3
^l1_4$
^l1_5$
^l1_6$
^l1_7$
^l1T8$
^l1T9$
^l1T10$
^l1T11$
^l1T12$
11_13
11_14

----------------
Test 3.2:140
----------------
11_1
11_2
11_3
^l1_4$
^l1_5$
^l1_6$
^l1_7$
^l1T8$
^l1_9$
^l1_10$
^l1_11
^l1_12
11_13
11_14

----------------
Test 3.3:141
Test 3.4:142

Testing a c d and i commands

Test 4.1:143
before_il1_6
after_ibefore_il1_6
before_il1_7
after_ibefore_il1_7
before_il1_8
after_ibefore_il1_8
before_il1_9
after_ibefore_il1_9
before_il1_10
after_ibefore_il1_10
before_il1_11
after_ibefore_il1_11
before_il1_12
after_ibefore_il1_12
before_il1_13
after_ibefore_il1_13
before_il1_14
after_ibefore_il1_14
before_il2_1
after_ibefore_il2_1
before_il2_2
after_ibefore_il2_2
before_il2_3
after_ibefore_il2_3
before_il2_4
after_ibefore_il2_4
before_il2_5
after_ibefore_il2_5
before_il2_6
inserted
after_ibefore_il2_6
before_il2_7
after_ibefore_il2_7
before_il2_8
after_ibefore_il2_8
before_il2_9
after_ibefore_il2_9

==========
Test 4.2:144
==========
before_al1_1
after_abefore_al1_1
before_al1_2
after_abefore_al1_2
before_al1_3
after_abefore_al1_3
before_al1_4
after_abefore_al1_4
before_a5-1211_5
after_abefore_a5-1211_5
appended
before_a5-1211_6
after_abefore_a5-1211_6
appended
before_a5-1211_7
after_abefore_a5-1211_7
appended
before_a5-1211_8
after_abefore_a5-1211_8
appended
before_a5-1211_9
after_abefore_a5-1211_9
appended
before_a5-1211_10
after_abefore_a5-1211_10
appended
before_a5-1211_11
after_abefore_a5-1211_11
appended
before_a5-1211_12
after_abefore_a5-1211_12
appended
before_al1_13
after_abefore_al1_13
before_al1_14
after_abefore_al1_14
before_al2_1
after_abefore_al2_1
before_al2_2
after_abefore_al2_2
before_al2_3
after_abefore_al2_3
before_al2_4
after_abefore_al2_4
before_al2_5
after_abefore_al2_5
before_al2_6
after_abefore_al2_6
before_al2_7
after_abefore_al2_7
before_al2_8
after_abefore_al2_8
before_al2_9
after_abefore_al2_9
Test 4.3:145

^l1_1
^l1_1$
apppended
^l1_2
^l1_2$
apppended
^l1_3
^l1_3$
apppended
^l1_4
^l1_4$
apppended
^l1_5
^l1_5$
apppended
^l1_6
^l1_6$
apppended
^l1_7
^l1_7$
apppended
^l1_8
^l1_8
^l1_9$
apppended
^l1_10
^l1_10
^l1_11$
apppended
^l1_12
^l1_12
^l1_12$
apppended
^l1_13
^l1_13$
apppended
^l1_14
^l1_14$
apppended
^l2_1
^l2_1$
^l2_2
^l2_2
^l2_2$
^l2_3
^l2_3
^l2_3$
^l2_4
Test 4.4:146

hello
hello
hello
hello
hello
hello
hello
hello
hello
hello
hello
hello
hello

Test 4.5:147

hello

Test 4.6:148

hello

Test 4.7:149

hello

Test 4.8:150

hello
Testing labels and branching

------------
Test 5.1:151
------------
label2_1 1
label3_label2_1 1 1
label1_1 2
label1_1 3
label1_1 4
label1_1 5
label1_1 6
label1_1 7
label1_1 8
label1_1 9
label1_1 1 0
label1_1 1 1
label1_1 1 2
label2_1 1 3
label3_label2_1 1 3
label2_1 1 4
label3_label2_1 1 4

------------
Test 5.2:152
------------
tested 1 2_1
tested 1 2_2
tested 1 2_3
tested 1 2_4
tested 1 2_5
tested 1 2_6
tested 1 2_7
tested 1 2_8
tested 1 2_9
tested 1 2_1 0
tested 1 2_1 1
tested 1 2_1 2
tested 1 2_1 3
tested 1 2_1 4

------------
Test 5.3:153
------------
^l1_1
^l1_1$
^l1_2
^l1_2$
Test 5.4:154

Test 5.5:155

Test 5.6:156

Test 5.7:157
Test 5.8:158

Test 6.1:159

Pattern space commands

Test 6.2:160
Test 6.3:161

Test 6.4:162
Test 6.5:163

Test 6.6:164

Testing print and file routines

Test 7.1:165

Test 7.2:166
w results
11_3
11_4
11_5
11_6
11_7
11_8
11_9
11_10
11_11
11_12

====================
Test 7.4:168
====================
11_1
11_2
11_3
11_4
12_1
12_2
12_3
12_4
12_5
12_6
12_7
12_8
12_9
11_5
11_6
11_7
11_8
11_9
11_10
11_11
11_12
11_13
11_14

====================
Test 7.5:169
====================
11_1
11_2
11_3
11_4
11_5
11_6
Test 7.6:170

Test 7.8:171

Testing substitution commands

Test 8.1:172
Test 8.2:173

Test 8.3:174

Test 8.4:175

l1_1
l1_2
l1_3
l1_4
l1_5
l1_6
Test 8.8:179

x_x1x1l1
x_x1x1l2
x_x1x1l3
x_x1x1l4
x_x1x1l5
x_x1x1l6
x_x1x1l7
x_x1x1l8
x_x1x1l9
x_x1x1l10
x_x1x1l11
x_x1x1l12
x_x1x1l13
x_x1x1l14

Test 8.9:180

11u0
u1
u21
11u0
u1
u22
11u0
u1
u23
11u0
u1
u24
Test 8.10:181
Test 8.11:182

lX_1
lX_2
lX_3
lX_4
lX_5
lX_6
lX_7
lX_8
lX_9
lX_10
lX_11
lX_12
lX_13
lX_14
s while results
lX_1
lX_2
lX_3
lX_4
lX_5
lX_6
lX_7
lX_8
lX_9
lX_10
lX_11
lX_12
lX_13
lX_14

Test 8.12:183

lX_X
lX_X
lX_X
lX_4
lX_5
lX_6
lX_7
lX_8
lX_9
lX_X0
lX_XX
IX_XX
IX_XX
IX_X4

====================
Test 8.13:184
====================
18_8
18_7
18_6
18_5
18_4
18_3
18_2
18_1
18_0
18_89
18_88
18_87
18_86
18_85

====================
Test 8.14:185
====================
18_8
18_7
18_6
18_5
18_4
18_3
18_2
18_1
18_0
18_89
18_88
18_87
18_86
18_85

====================
Test 8.15:186
====================
11_1X11_2
11_3
11_4
11_5
11_6
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The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete—if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
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Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Espie, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Fryinger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
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Hayman, Randy M.
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Hunter, Michael T.
Hutchings, Ben
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Jackson, John R.
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Jorge, Joel Pele
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Kopeek, Daniel
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Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
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Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
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Niesima, Jeff
Nikitser, Peter A.
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Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
The following people have worked to translate sudo into other languages:

- Blettermann, Mario
- Bogusz, Jakub
- Casagrande, Milo
- Castro, Felipe
- Cho, Seong-ho
- Chornoivan, Yuri
- Diguez, Francisco
- Ferreira, Rafael
- Garcia-Fontes, Walter
- Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hantrais, Frédéric
Hein, Jochen
Hufthammer, Karl Ove
Jerovek, Damir
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Kazik, Duan
Kelemen, Gbor
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Krzmar, Tomislav
Marchal, Frédéric
Margevičius, Algimantas
Maryanov, Pavel
Nikolić, Miroslav
Nylander, Daniel
Psa, Petr
Qun, Trn Ngc
Regueiro, Leandro
Saré, zg
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Sendn, Abel
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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
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    <signature of Ty Coon>, 1 April 1989
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1.513 systemd 219 :67.el7_6.1

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

5. A program that contains no derivative of any portion of the
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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
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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That's all there is to it!
/*
 * Copyright 2008 Red Hat, Inc. All rights reserved.
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#ifndef _LINUX_AUTO_DEV_IOCTL_H
#define _LINUX_AUTO_DEV_IOCTL_H

#include <linux/auto_fs.h>

#ifndef __KERNEL__
#include <linux/string.h>
#else
#include <string.h>
#endif /* __KERNEL__ */

#define AUTOFS_DEVICE_NAME	"autofs"
#define AUTOFS_DEV_IOCTL_VERSION_MAJOR	1
#define AUTOFS_DEV_IOCTL_VERSION_MINOR	0
#define AUTOFS_DEVID_LEN	16
#define AUTOFS_DEV_IOCTL_SIZE	sizeof(struct autofs_dev_ioctl)

/*
 * An ioctl interface for autofs mount point control.
 */

struct args_protover {
    __u32 version;
};

struct args_protosubver {
    __u32 sub_version;
};

struct args_openmount {
    __u32 devid;
};

struct args_ready {
    __u32 token;
};

struct args_fail {
    __u32 token;
};
__s32 status;
};

struct args_setpipefd {
__s32 pipefd;
};

struct args_timeout {
__u64 timeout;
};

struct args_requester {
__u32 uid;
__u32 gid;
};

struct args_expire {
__u32 how;
};

struct args_askumount {
__u32 may_umount;
};

struct args_ismountpoint {
union {
struct args_in {
__u32 type;
} in;
struct args_out {
__u32 devid;
__u32 magic;
} out;
};
};

/*
* All the ioctls use this structure.
* When sending a path size must account for the total length
* of the chunk of memory otherwise is is the size of the
* structure.
*/

struct autofs_dev_ioctl {
__u32 ver_major;
__u32 ver_minor;
__u32 size;/* total size of data passed in
* including this struct */
union {
    struct args_protover protover;
    struct args_protosubver protosubver;
    struct args_openmount openmount;
    struct args_ready ready;
    struct args_fail fail;
    struct args_setpipefd setpipefd;
    struct args_timeout timeout;
    struct args_requester requester;
    struct args_expire expire;
    struct args_askumount askumount;
    struct args_ismountpoint ismountpoint;
};

char path[0];
}

static inline void init_autofs_dev_ioctl(struct autofs_dev_ioctl *in) {
    memset(in, 0, sizeof(struct autofs_dev_ioctl));
    in->ver_major = AUTOFS_DEV_IOCTL_VERSION_MAJOR;
    in->ver_minor = AUTOFS_DEV_IOCTL_VERSION_MINOR;
    in->size = sizeof(struct autofs_dev_ioctl);
    in->ioctlfd = -1;
    return;
}

/*
 * If you change this make sure you make the corresponding change
 * to autofs-dev_ioctl.c:lookup_ioctl()
 */
enum {
    /* Get various version info */
    AUTOFS_DEV_IOCTL_VERSION_CMD = 0x71,
    AUTOFS_DEV_IOCTL_PROTOVER_CMD,
    AUTOFS_DEV_IOCTL_PROTOSUBVER_CMD,

    /* Open mount ioctl fd */
    AUTOFS_DEV_IOCTL_OPENMOUNT_CMD,

    /* Close mount ioctl fd */
    AUTOFS_DEV_IOCTL_CLOSEMOUNT_CMD,

    /* Mount/expire status returns */
    AUTOFS_DEV_IOCTL_READY_CMD,
AUTOFS_DEV_IOCTL_FAIL_CMD,

/* Activate/deactivate autofs mount */
AUTOFS_DEV_IOCTL_SETPIPEFD_CMD,
AUTOFS_DEV_IOCTL_CATATONIC_CMD,

/* Expiry timeout */
AUTOFS_DEV_IOCTL_TIMEOUT_CMD,

/* Get mount last requesting uid and gid */
AUTOFS_DEV_IOCTL_REQUESTER_CMD,

/* Check for eligible expire candidates */
AUTOFS_DEV_IOCTL_EXPIRE_CMD,

/* Request busy status */
AUTOFS_DEV_IOCTL_ASKUMOUNT_CMD,

/* Check if path is a mountpoint */
AUTOFS_DEV_IOCTL_ISMOUNTPOINT_CMD,
}

#define AUTOFS_IOCTL 0x93
#define AUTOFS_DEV_IOCTL_VERSION
_IOWR(AUTOFS_IOCTL, 
    AUTOFS_DEV_IOCTL_VERSION_CMD, struct autofs_dev_ioctl)
#define AUTOFS_DEV_IOCTL_PROTOVER
_IOWR(AUTOFS_IOCTL, 
    AUTOFS_DEV_IOCTL_PROTOVER_CMD, struct autofs_dev_ioctl)
#define AUTOFS_DEV_IOCTL_PROTOSUBVER
_IOWR(AUTOFS_IOCTL, 
    AUTOFS_DEV_IOCTL_PROTOSUBVER_CMD, struct autofs_dev_ioctl)
#define AUTOFS_DEV_IOCTL_OPENMOUNT
_IOWR(AUTOFS_IOCTL, 
    AUTOFS_DEV_IOCTL_OPENMOUNT_CMD, struct autofs_dev_ioctl)
#define AUTOFS_DEV_IOCTL_CLOSEMOUNT
_IOWR(AUTOFS_IOCTL, 
    AUTOFS_DEV_IOCTL_CLOSEMOUNT_CMD, struct autofs_dev_ioctl)
#define AUTOFS_DEV_IOCTL_READY
_IOWR(AUTOFS_IOCTL, 
    AUTOFS_DEV_IOCTL_READY_CMD, struct autofs_dev_ioctl)
#define AUTOFS_DEV_IOCTL_FAIL \  _IOWR(AUTOFS_IOCTL, \  AUTOFS_DEV_IOCTL_FAIL_CMD, struct autofs_dev_ioctl)

#define AUTOFS_DEV_IOCTL_SETPIPEFD \  _IOWR(AUTOFS_IOCTL, \  AUTOFS_DEV_IOCTL_SETPIPEFD_CMD, struct autofs_dev_ioctl)

#define AUTOFS_DEV_IOCTL_CATATONIC \  _IOWR(AUTOFS_IOCTL, \  AUTOFS_DEV_IOCTL_CATATONIC_CMD, struct autofs_dev_ioctl)

#define AUTOFS_DEV_IOCTL_TIMEOUT \  _IOWR(AUTOFS_IOCTL, \  AUTOFS_DEV_IOCTL_TIMEOUT_CMD, struct autofs_dev_ioctl)

#define AUTOFS_DEV_IOCTL_REQUESTER \  _IOWR(AUTOFS_IOCTL, \  AUTOFS_DEV_IOCTL_REQUESTER_CMD, struct autofs_dev_ioctl)

#define AUTOFS_DEV_IOCTL_EXPIRE \  _IOWR(AUTOFS_IOCTL, \  AUTOFS_DEV_IOCTL_EXPIRE_CMD, struct autofs_dev_ioctl)

#define AUTOFS_DEV_IOCTL_ASKUMOUNT \  _IOWR(AUTOFS_IOCTL, \  AUTOFS_DEV_IOCTL_ASKUMOUNT_CMD, struct autofs_dev_ioctl)

#define AUTOFS_DEV_IOCTL_ISMOUNTPOINT \  _IOWR(AUTOFS_IOCTL, \  AUTOFS_DEV_IOCTL_ISMOUNTPOINT_CMD, struct autofs_dev_ioctl)

#endif /* _LINUX_AUTO_DEV_IOCTL_H */

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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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1.515 tar 1.26 :35.el7_6

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ispell-local-pdict: "ispell-dict"
End:
1.516 tcl 8.5.13 :8.el7

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1.519 tcsh 6.18.01 :15.el7

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*/

People who have contributed to tcsh for win32 with bugfixes, functionality,
and other useful pieces of code. If I've left you out, please let me know!

(In alphabetical order)

Tom        Kludy                     (tom.kludy@citrix.com)
Yarek      Kowalik                   (Yarek.Kowalik@Sitraka.com)
Edward     Lam
Matt       Landau
Avner      Lottem                    (avner.lottem@intel.com)
blucas (?)                           (blucas@broadcom.com)
Chun-Pong  Yu                        (bol.pacific.net.sg)
/*
 * config.h -- configure various defines for tcsh
 *
 * All source files should #include this FIRST.
 *
 * Edit this to match your system type.
 */

#ifndef _h_config
#define _h_config

/****************** System dependant compilation flags ***************/

/*
 * POSIX	This system supports IEEE Std 1003.1-1988 (POSIX).
 */
#undef POSIX

/*
 * POSIXJOBS	This system supports the optional IEEE Std 1003.1-1988 (POSIX)
 *
 */
#undef POSIXJOBS

/*
 * VFORK	This machine has a vfork().
 * It used to be that for job control to work, this define
 * was mandatory. This is not the case any more.
 * If you think you still need it, but you don't have vfork,
 * define this anyway and then do #define vfork fork.
 * I do this anyway on a Sun because of yellow pages brain damage,
 * [should not be needed under 4.1]
 * and on the iris4d cause SGI's fork is sufficiently "virtual"
 * that vfork isn't necessary. (Besides, SGI's vfork is weird).
 * Note that some machines eg. rs6000 have a vfork, but not
 * with the berkeley semantics, so we cannot use it there either.
 */
#define VFORK

/*
 * BSDJOBS	You have BSD-style job control (both process groups and
 * a tty that deals correctly
 */
#define BSDJOBS

/*
 * BSDTIMES	You have BSD-style process time stuff (like rusage)
 */
*This may or may not be true. For example, Apple Unix *(OREO) has BSDJOBS but not BSDTIMES. */
#define BSDTIMES

/*
* BSDLIMIT You have BSD-style resource limit stuff (getrlimit/setrlimit)
*/
#define BSDLIMIT

/*
* TERMIO You have struct termio instead of struct sgttyb.
* This is usually the case for SYSV systems, where
* BSD uses sgttyb. POSIX systems should define this
* anyway, even though they use struct termios.
*/
#endif /* _h_config */
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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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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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1.523 tmpwatch 2.11 :5.el7

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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
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may be obtained from http://java.sun.com/xml/ns/javaee/

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For the Rhino JavaScript engine js-1.6R7.jar:

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/*
$Id: LICENSE.txt 156 2003-09-26 17:36:37Z jstrachan $

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*/

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

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Version 2.1, February 1999

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71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that
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His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
others. See the file CONTRIBUTIONS in the source distribution for a much
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The decompression core code for the deflate method (inflate.[ch],
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Kai Uwe Rommel, Steve Salisbury, Dave Smith, Steven M. Schweda,
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.
The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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(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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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001
Device Boot Start   End     Blocks  Id  System
-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
Open Source Used In Unified Communications Manager Release 12.5.1 SU2 12.5

I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td></td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

Create 2nd primary partition

1bebf87248e05d6e4e62b749da65d023 bsd.img

Set 2nd partition type

2d8e8df51a88a045d2b33418dd73f8e bsd.img

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

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

Create default BSD

2e1cee529cb59c9341afe0443f196a1 bsd.img

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

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

Command (m for help):

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

# start end size fstype [fsize bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):

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

b5c121c2091b2ff26b880551feac7112 bsd.img
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

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

BSD disklabel command (m for help):
Command (m for help):
-----------

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

Command (m for help):

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

BSD disklabel command (m for help):
size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1:     32    7648     0x83
#2:    7680    8704    0xa5
#5:    7936   4864     0x7 (freebsd)
#6:   12544   3584     0x7 (freebsd)
#!/bin/bash
#
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==============================================================================
Kibaale Children's Centre*KCC* Kibaale* charity*
Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this
I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353

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Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information: http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info: https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is: Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruei 1
8134 Adliswil
Switzerland

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

vim:tw=78:ts=8:ft=help:norl:
" 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   "\([-\(\[fa\|fr\|[aclqrv]\]\(>|\(<\|=\|=|\\=\|\=\|=\]\}\)+]+" contained
syn match  psfObjTags     "\([-_+A-Z0-9a-z]\)+\([-_+A-Z0-9a-z]\)+\([-_+A-Z0-9a-z]\)+\([-_+A-Z0-9a-z]\)+\([-_+A-Z0-9a-z]\)+\([-_+A-Z0-9a-z]\)+\[-_+A-Z0-9a-z]\]+[\(\]+\]+" contained

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

syn match  psfLongDate    "\(<\d\(\)+\)+\(<\d\(\)+\)+\(<\d\(\)+\)+\(<\d\(\)+\)+\(<\d\(\)+\)+\(<\d\(\)+\)+\(<\d\(\)+\)+" contained

syn keyword psfState     available configured corrupt installed transient contained
syn keyword psfPState    applied committed superseded contained
Some of the attributes covered by attUnquotString and attQuotString:

architecture category_tag control_directory copyright
create_date description directory file_permissions install_source
install_type location machine_type mod_date number os_name os_release
os_version pose_as_os_name pose_as_os_release readme revision
share_link title vendor_tag

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

syn region psfAttUnquotString matchgroup=psfAttrib start="^\s*[^# \t]\+[^# \t]+" ~rs=e-1 contains=psfUnquotString,psfComment end="~" keepend oneline

syn region psfAttQuotString matchgroup=psfAttrib start="^\s*[^# \t]\+[^# \t]+" ~rs=e-1 contains=psfQuotString,psfComment skip="\\" keepend oneline

syn region psfAttTag matchgroup=psfAttrib start="^\s+tag\+" contains=psfObjTag,psfComment end="$" keepend oneline

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

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

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

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

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

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

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

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

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

HiLink psfObject Statement
HiLink psfAttrib Type
HiLink psfQuotString String
HiLink psfObjTag Identifier
HiLink psfAttAbbrev PreProc
HiLink psfObjTags Identifier

HiLink psfComment Comment
delcommand HiLink
endif

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

let b:current_syntax = "psf"

1.542 which 2.20
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Version 3, 29 June 2007

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Version 2.1, February 1999

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====================
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1.559 yum 3.4.3 :154.el7.centos

1.559.1 Available under license :

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

+    self.arch_storage = ArchStorage()
+    self.archlist = self.arch_storage.archlist
+
+    def get_notices(self, name=None):
        """ Return all notices. """
        if name is None:
            other_arch_list = []
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
                 name = oldpkgtup[0]
                 arch = oldpkgtup[1]
                 ret = []
+                 other_arch_list = []
+                 notices = set()
                 for notice in self.get_notices(name):
```

Open Source Used In Unified Communications Manager Release 12.5.1 SU2 12.5
for upkg in notice['pkglist']:
    for pkg in upkg['packages']:
        other_arch = False
        if pkg['name'] != name or pkg['arch'] != arch:
            continue
        if (notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
            other_arch = True
        else:
            continue
        pkgtup = (pkg['name'], pkg['arch'], pkg['epoch'] or '0',
                  pkg['version'], pkg['release'])
        if _rpm_tup_vercmp(pkgtup, oldpkgtup) <= 0:
            continue
        ret.append((pkgtup, notice))
        if other_arch:
            other_arch_list.append((pkgtup, notice))
        else:
            ret.append((pkgtup, notice))
            notices.add(notice)
    for pkgtup, notice in other_arch_list:
        if notice not in notices:
            ret.append((pkgtup, notice))
ret.sort(cmp=_rpm_tup_vercmp, key=lambda x: x[0], reverse=True)
return ret

diff -up yum-3.4.3/yum/update_md.py.old yum-3.4.3/yum/update_md.py
+++ yum-3.4.3/yum/update_md.py2015-05-28 19:24:05.971806965 +0200
@@ -33,6 +33,7 @@ import Errors
 import logginglevels
 import rpmUtils.miscutils
+from rpmUtils.arch import ArchStorage

def safe_iterparse(filename, logger=None):
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diff -up yum-3.4.3/yum/update_md.py.org yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.org2017-01-24 18:55:03.529842775 +0100
@@ -58,7 +58,7 @@ class UpdateNotice(object):
A single update notice (for instance, a security fix).

-    def __init__(self, elem=None):
+    def __init__(self, elem=None, repoid=None, vlogger=None):
class UpdateNotice(object):
    def __getitem__(self, item):
        if type(item) is int:
            return False

    def _rid(un):
        if hasattr(un, '_repoid') and un._repoid is not None:
            return un._repoid
        else:
            return '<unknown>'

    def _log_failure(data):
        msg = _('Duplicate of %s differs in some fields:
')
        msg += '<<<<<<< %s:%s
' % (_rid(other), data)
        msg += '%r
=======
%r
' % (other._md[data], self._md[data])
        msg += '>>>>>>> %s:%s' % (_rid(self), data)
        self._vlogger.log(logginglevels.DEBUG_3, msg)

    if not other or not hasattr(other, '_md'):
        return False

    if data == 'status': # FIXME: See below...
        continue
    if self._md[data] != other._md[data]:
        _log_failure(data)
        return False

    # FIXME: Massive hack, Fedora is really broken and gives status=stable
    # and status=testing for updateinfo notices, just depending on which

    if data == 'status': # FIXME: See below...
        continue
    if self._md[data] != other._md[data]:
        _log_failure(data)
        return False

    # FIXME: Massive hack, Fedora is really broken and gives status=stable
    # and status=testing for updateinfo notices, just depending on which

    data = 'status'
if self._md[data] != other._md[data]:
if self._md[data] not in ('stable', 'testing'):
+                _log_failure(data)
    return False
if other._md[data] not in ('stable', 'testing'):
+                _log_failure(data)
    return False
# They are both really "stable" ...
self._md[data] = 'stable'

@@ -574,7 +598,7 @@ class UpdateMetadata(object):
    for event, elem in safe_iterparse(infile, logger=self._logger):
        if elem.tag == 'update':
            try:
-                un = UpdateNotice(elem)
+                un = UpdateNotice(elem, repoid, self._vlogger)
            except UpdateNoticeException, e:
                msg = _("An update notice%s is broken, skipping.") % _rid(repoid)
                if self._vlogger:
@@ -587,6 +611,8 @@ class UpdateMetadata(object):
                msg += _("Update notice %s%s is broken, or a bad duplicate, skipping.") % (un['update_id'],
    _rid(repoid))
        if not have_dup:
-            msg += _("You should report this problem to the owner of the %s repository.") % _rid(repoid, "%s ")
+            msg += _("You should report this problem to the owner of the %s repository.") % _rid(repoid, "%s ")
+                if self._vlogger:
                    self._vlogger.warn("%s", msg)

1.560 yum-metadata-parser 1.1.4 :10.el7
1.560.1 Available under license:
    From RPM File Metadata:GPLv2

1.561 yum-utils 1.1.31 :42.el7
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1.562 zip 3.0 :11.el7
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 */
package org.apache.cxf.rs.security.oauth2.common;

/**<*/
/** Base permission description
 * @see OAuthAuthorizationData
 */
public class Permission {
    private String permission;
    private String description;
    private boolean isDefault;

    public Permission() {
    }

    public Permission(String permission, String description) {
        this.description = description;
    }
}
this.permission = permission;
}

/**
 * Gets the permission description
 * @return the description
 */
public String getDescription() {
    return description;
}

/**
 * Sets the permission description
 * @param description
 */
public void setDescription(String description) {
    this.description = description;
}

/**
 * Get the permission value such as "read_calendar"
 * @return the value
 */
public String getPermission() {
    return permission;
}

/**
 * Sets the permission value such as "read_calendar"
 * @param permission the permission value
 */
public void setPermission(String permission) {
    this.permission = permission;
}

/**
 * Indicates if this permission has been allocated by default or not.
 * Authorization View handlers may use this property in order to restrict
 * the list of scopes which may be refused to non-default scopes only.
 * For example, the read-only check-box controls can be used to represent
 * the default scopes
 * @param isDefault true if the permission has been allocated by default
 */
public void setDefault(boolean value) {
    this.isDefault = value;
}

public boolean isDefault() {
public class Permission {
    private String permission;
    private String description;
    private boolean isDefault;

    public Permission() {
    }

    public Permission(String permission, String description) {
        this.description = description;
        this.permission = permission;
    }

    public String getDescription() {
        return description;
    }

    public void setDescription(String description) {
        this.description = description;
    }

    public void setDefault(boolean isDefault) {
        this.isDefault = isDefault;
    }

    public boolean isDefault() {
        return isDefault;
    }
}

package org.apache.cxf.rs.security.oauth.data;

/**
 * Base permission description which is visible to
 * authorization handlers
 * @see OAuthAuthorizationData
 */
public class Permission {
    private String permission;
    private String description;
    private boolean isDefault;

    public Permission() {
    }

    public Permission(String permission, String description) {
        this.description = description;
        this.permission = permission;
    }

    public String getDescription() {
        return description;
    }

    public void setDescription(String description) {
        this.description = description;
    }

    public void setDefault(boolean isDefault) {
        this.isDefault = isDefault;
    }

    public boolean isDefault() {
        return isDefault;
    }
}

package org.apache.cxf.rs.security.oauth.data;

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        this.permission = permission;
    }

    public String getDescription() {
        return description;
    }

    public void setDescription(String description) {
        this.description = description;
    }

    public void setDefault(boolean isDefault) {
        this.isDefault = isDefault;
    }

    public boolean isDefault() {
        return isDefault;
    }
}
public String getPermission() {
    return permission;
}

public void setPermission(String permission) {
    this.permission = permission;
}

/**
 * Indicates that this permission has been allocated by default.
 * Authorization View handlers may use this property in order to restrict
 * the list of scopes which may be refused to non-default scopes only
 * @param isDefault
 */
public void setDefault(boolean value) {
    this.isDefault = value;
}

public boolean isDefault() {
    return isDefault;
}

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2.3 boost 1.55

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2.4 curl 7.62.0

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

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2.8 gtest 1_8_0

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//
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// Google Test - The Google C++ Testing Framework
//
// This file implements a universal value printer that can print a
// value of any type T:
//
// void ::testing::internal::UniversalPrinter<T>::Print(value, ostream_ptr);
//
// A user can teach this function how to print a class type T by
// defining either operator<<() or PrintTo() in the namespace that
// defines T. More specifically, the FIRST defined function in the
// following list will be used (assuming T is defined in namespace
// foo):
//
// 1. foo::PrintTo(const T&, ostream*)
// 2. operator<<(ostream&, const T&) defined in either foo or the
//    global namespace.
//
// If none of the above is defined, it will print the debug string of
// the value if it is a protocol buffer, or print the raw bytes in the
// value otherwise.
//
// To aid debugging: when T is a reference type, the address of the
// value is also printed; when T is a (const) char pointer, both the
// pointer value and the NUL-terminated string it points to are
// printed.
//
// We also provide some convenient wrappers:
//
// // Prints a value to a string. For a (const or not) char
// // pointer, the NUL-terminated string (but not the pointer) is
// // printed.
// std::string ::testing::PrintToString(const T& value);
//
// // Prints a value tersely: for a reference type, the referenced
// // value (but not the address) is printed; for a (const or not) char
// // pointer, the NUL-terminated string (but not the pointer) is
// // printed.
// void ::testing::internal::UniversalTersePrint(const T& value, ostream*);
//
// // Prints value using the type inferred by the compiler. The difference
// // from UniversalTersePrint() is that this function prints both the
// // pointer and the NUL-terminated string for a (const or not) char pointer.
// void ::testing::internal::UniversalPrint(const T& value, ostream*);
// // Prints the fields of a tuple tersely to a string vector, one
// // element for each field. Tuple support must be enabled in
// // gtest-port.h.
// std::vector<string> UniversalTersePrintTupleFieldsToStrings(
//     const Tuple& value);

// Known limitation:

// The print primitives print the elements of an STL-style container
// using the compiler-inferred type of *iter where iter is a
// const_iterator of the container. When const_iterator is an input
// iterator but not a forward iterator, this inferred type may not
// match value_type, and the print output may be incorrect. In
// practice, this is rarely a problem as for most containers
// const_iterator is a forward iterator. We'll fix this if there's an
// actual need for it. Note that this fix cannot rely on value_type
// being defined as many user-defined container types don't have
// value_type.

#ifndef GTEST_INCLUDE_GTEST_GTEST_PRINTERS_H_
#define GTEST_INCLUDE_GTEST_GTEST_PRINTERS_H_

#include <ostream>  // NOLINT
#include <sstream>
#include <string>
#include <utility>
#include <vector>
#include "gtest/internal/gtest-port.h"
#include "gtest/internal/gtest-internal.h"
#if GTEST_HAS_STD_TUPLE_
 # include <tuple>
#endif

namespace testing {

namespace internal2 {

// Prints the given number of bytes in the given object to the given
// ostream.
GTEST_API_ void PrintBytesInObjectTo(const unsigned char* obj_bytes,
    size_t count,
    ::std::ostream* os);

// For selecting which printer to use when a given type has neither <<
// nor PrintTo().
enum TypeKind {
  kProtobuf,       // a protobuf type
  kConvertibleToInteger,  // a type implicitly convertible to BiggestInt
                      // (e.g. a named or unnamed enum type)
  kOtherType        // anything else
};

// TypeWithoutFormatter<T, kTypeKind>::PrintValue(value, os) is called
// by the universal printer to print a value of type T when neither
// operator<< nor PrintTo() is defined for T, where kTypeKind is the
// "kind" of T as defined by enum TypeKind.
template <typename T, TypeKind kTypeKind>
class TypeWithoutFormatter {
public:
  // This default version is called when kTypeKind is kOtherType.
  static void PrintValue(const T& value, ::std::ostream* os) {
    PrintBytesInObjectTo(reinterpret_cast<const unsigned char*>(&value),
                         sizeof(value), os);
  }
};

// We print a protobuf using its ShortDebugString() when the string
// doesn't exceed this many characters; otherwise we print it using
// DebugString() for better readability.
const size_t kProtobufOneLinerMaxLength = 50;

template <typename T>
class TypeWithoutFormatter<T, kProtobuf> {
public:
  static void PrintValue(const T& value, ::std::ostream* os) {
    const ::testing::internal::string short_str = value.ShortDebugString();
    const ::testing::internal::string pretty_str =
      short_str.length() <= kProtobufOneLinerMaxLength ?
      short_str : ("\n" + value.DebugString());
    *os << (<" + pretty_str + ">");
  }
};

template <typename T>
class TypeWithoutFormatter<T, kConvertibleToInteger> {
public:
  // Since T has no << operator or PrintTo() but can be implicitly
  // converted to BiggestInt, we print it as a BiggestInt.
  //
  // Most likely T is an enum type (either named or unnamed), in which
  // case printing it as an integer is the desired behavior. In case
  // T is not an enum, printing it as an integer is the best we can do
  // given that it has no user-defined printer.
static void PrintValue(const T& value, ::std::ostream* os) {
    const internal::BiggestInt kBigInt = value;
    *os << kBigInt;
}
}

// Prints the given value to the given ostream. If the value is a
// protocol message, its debug string is printed; if it's an enum or
// a type implicitly convertible to BiggestInt, it's printed as an
// integer; otherwise the bytes in the value are printed. This is
// what UniversalPrinter<T>::Print() does when it knows nothing about
// type T and T has neither << operator nor PrintTo().

// A user can override this behavior for a class type Foo by defining
// a << operator in the namespace where Foo is defined.

// We put this operator in namespace 'internal2' instead of 'internal'
// to simplify the implementation, as much code in 'internal' needs to
// use << in STL, which would conflict with our own << were it defined
// in 'internal'.

// Note that this operator<< takes a generic std::basic_ostream<Char,
// CharTraits> type instead of the more restricted std::ostream. If
// we define it to take an std::ostream instead, we'll get an
// "ambiguous overloads" compiler error when trying to print a type
// Foo that supports streaming to std::basic_ostream<Char,
// CharTraits>, as the compiler cannot tell whether
// operator<<(std::ostream&, const T&) or
// operator<<(std::basic_stream<Char, CharTraits>, const Foo&) is more
// specific.

template<typename Char, typename CharTraits, typename T>
::std::basic_ostream<Char, CharTraits>& operator<<(::std::basic_ostream<Char, CharTraits>& os, const T& x) {
    TypeWithoutFormatter<T, (internal::IsAProtocolMessage<T>::value ? kProtobuf:
        internal::ImplicitlyConvertible<const T&, internal::BiggestInt>::value ?
        kConvertibleToInteger : kOtherType)>::PrintValue(x, &os);
    return os;
}

}  // namespace internal2
}  // namespace testing

// This namespace MUST NOT BE NESTED IN ::testing, or the name look-up
// magic needed for implementing UniversalPrinter won't work.
namespace testing_internal {

    // Used to print a value that is not an STL-style container when the
template <typename T>
void DefaultPrintNonContainerTo(const T& value, ::std::ostream* os) {
  // With the following statement, during unqualified name lookup,
  // testing::internal2::operator<< appears as if it was declared in
  // the nearest enclosing namespace that contains both
  // ::testing_internal and ::testing::internal2, i.e. the global
  // namespace. For more details, refer to the C++ Standard section
  // 7.3.4-1 [namespace.udir]. This allows us to fall back onto
  // testing::internal2::operator<< in case T doesn't come with a <<
  // operator.
  //
  // We cannot write 'using ::testing::internal2::operator<<;', which
  // gcc 3.3 fails to compile due to a compiler bug.
  using namespace ::testing::internal2;  // NOLINT
  // Assuming T is defined in namespace foo, in the next statement,
  // the compiler will consider all of:
  //
  // 1. foo::operator<< (thanks to Koenig look-up),
  // 2. ::operator<< (as the current namespace is enclosed in ::),
  // 3. testing::internal2::operator<< (thanks to the using statement above).
  //
  // The operator<< whose type matches T best will be picked.
  //
  // We deliberately allow #2 to be a candidate, as sometimes it's
  // impossible to define #1 (e.g. when foo is ::std, defining
  // anything in it is undefined behavior unless you are a compiler
  // vendor.).
  *os << value;
}

namespace testing {
  namespace internal {

    // FormatForComparison<ToPrint, OtherOperand>::Format(value) formats a
    // value of type ToPrint that is an operand of a comparison assertion
    // (e.g. ASSERT_EQ). OtherOperand is the type of the other operand in
    // the comparison, and is used to help determine the best way to
    // format the value. In particular, when the value is a C string
    // (char pointer) and the other operand is an STL string object, we
    // want to format the C string as a string, since we know it is
    // compared by value with the string object. If the value is a char
    // pointer but the other operand is not an STL string object, we don't
    // know whether the pointer is supposed to point to a NUL-terminated
    // string, and thus want to print it as a pointer to be safe.

} // namespace testing_internal

namespace testing {

} // namespace testing

/\n// INTERNAL IMPLEMENTATION - DO NOT USE IN A USER PROGRAM.
//
// The default case.
//
//template <typename ToPrint, typename OtherOperand>
//class FormatForComparison {
//public:
//static ::std::string Format(const ToPrint& value) {
//    return ::testing::PrintToString(value);
//}
//};
//
// Array.
//template <typename ToPrint, size_t N, typename OtherOperand>
//class FormatForComparison<ToPrint[N], OtherOperand> {
//public:
//static ::std::string Format(const ToPrint* value) {
//    return FormatForComparison<const ToPrint*, OtherOperand>::Format(value);
//}
//};
//
// By default, print C string as pointers to be safe, as we don't know
// whether they actually point to a NUL-terminated string.
#
#define GTEST_IMPL_FORMAT_C_STRING_AS_POINTER_(CharType)                
    template <typename OtherOperand>                                      
    class FormatForComparison<CharType*, OtherOperand> {                  
    public:                                                              
        static ::std::string Format(CharType* value) {                    
            return ::testing::PrintToString(static_cast<const void*>(value));
        }                                                                   
    }
#undef GTEST_IMPL_FORMAT_C_STRING_AS_POINTER_
// If a C string is compared with an STL string object, we know it's meant
// to point to a NUL-terminated string, and thus can print it as a string.
#
define GTEST_IMPL_FORMAT_C_STRING_AS_STRING_(CharType, OtherStringType) 
    template <>                                                           
    class FormatForComparison<CharType*, OtherStringType> {               
    public:                                                              
        static ::std::string Format(CharType* value) {


// Formats a comparison assertion (e.g. ASSERT_EQ, EXPECT_LT, and etc)
// operand to be used in a failure message. The type (but not value)
// of the other operand may affect the format. This allows us to
// print a char* as a raw pointer when it is compared against another
// char* or void*, and print it as a C string when it is compared
// against an std::string object, for example.
//
// INTERNAL IMPLEMENTATION - DO NOT USE IN A USER PROGRAM.
template <typename T1, typename T2>
std::string FormatForComparisonFailureMessage(
    const T1& value, const T2& /* other_operand */) {
    return FormatForComparison<T1, T2>::Format(value);
}

// UniversalPrinter<T>::Print(value, ostream_ptr) prints the given
// value to the given ostream. The caller must ensure that
// 'ostream_ptr' is not NULL, or the behavior is undefined.
//
// We define UniversalPrinter as a class template (as opposed to a
// function template), as we need to partially specialize it for
// reference types, which cannot be done with function templates.
template <typename T>
class UniversalPrinter;
template<typename T>
void UniversalPrint(const T& value, ::std::ostream* os);

// Used to print an STL-style container when the user doesn't define
// a PrintTo() for it.

template<typename C>
void DefaultPrintTo(IsContainer /* dummy */,
    false_type /* is not a pointer */,
    const C& container, ::std::ostream* os) {
    const size_t kMaxCount = 32;  // The maximum number of elements to print.
    *os << '{';
    size_t count = 0;
    for (typename C::const_iterator it = container.begin();
        it != container.end(); ++it, ++count) {
        if (count > 0) {
            *os << ',';
        }
        if (count == kMaxCount) {  // Enough has been printed.
            *os << " ...";
            break;
        }
        *os << ' ';
        // We cannot call PrintTo(*it, os) here as PrintTo() doesn't
        // handle *it being a native array.
        internal::UniversalPrint(*it, os);
    }
    if (count > 0) {
        *os << ' ';
    }
    *os << '}';
}

// Used to print a pointer that is neither a char pointer nor a member
// pointer, when the user doesn't define PrintTo() for it. (A member
// variable pointer or member function pointer doesn't really point to
// a location in the address space. Their representation is
// implementation-defined. Therefore they will be printed as raw
// bytes.)

template<typename T>
void DefaultPrintTo(IsNotContainer /* dummy */,
    true_type /* is a pointer */,  
    T* p, ::std::ostream* os) {
    if (p == NULL) {
        *os << "NULL";
    } else {
        // C++ doesn't allow casting from a function pointer to any object
        // pointer.
    }
// IsTrue() silences warnings: "Condition is always true",
// "unreachable code".
if (IsTrue(ImplicitlyConvertible<T*, const void*>::value)) {
    // T is not a function type. We just call << to print p,
    // relying on ADL to pick up user-defined << for their pointer
    // types, if any.
    *os << p;
} else {
    // T is a function type, so *os << p' doesn't do what we want
    // (it just prints p as bool). We want to print p as a const
    // void*. However, we cannot cast it to const void* directly,
    // even using reinterpret_cast, as earlier versions of gcc
    // (e.g. 3.4.5) cannot compile the cast when p is a function
    // pointer. Casting to Uint64 first solves the problem.
    *os << reinterpret_cast<const void*>(
        reinterpret_cast<internal::Uint64>(p));
}

// Used to print a non-container, non-pointer value when the user
// doesn't define PrintTo() for it.
template <typename T>
void DefaultPrintTo(IsNotContainer /* dummy */,
                    false_type /* is not a pointer */,
                    const T& value, ::std::ostream* os) {
    ::testing_internal::DefaultPrintNonContainerTo(value, os);
}

// Prints the given value using the << operator if it has one;
// otherwise prints the bytes in it. This is what
// UniversalPrinter<T>::Print() does when PrintTo() is not specialized
// or overloaded for type T.

// A user can override this behavior for a class type Foo by defining
// an overload of PrintTo() in the namespace where Foo is defined. We
// give the user this option as sometimes defining a << operator for
// Foo is not desirable (e.g. the coding style may prevent doing it,
// or there is already a << operator but it doesn't do what the user
// wants).
template <typename T>
void PrintTo(const T& value, ::std::ostream* os) {
    // DefaultPrintTo() is overloaded. The type of its first two
    // arguments determine which version will be picked. If T is an
    // STL-style container, the version for container will be called; if
    // T is a pointer, the pointer version will be called; otherwise the
    // generic version will be called.
Note that we check for container types here, prior to we check
for protocol message types in our operator<<. The rationale is:

For protocol messages, we want to give people a chance to
override Google Mock's format by defining a PrintTo() or
operator<<. For STL containers, other formats can be
incompatible with Google Mock's format for the container
elements; therefore we check for container types here to ensure
that our format is used.

The second argument of DefaultPrintTo() is needed to bypass a bug
in Symbian's C++ compiler that prevents it from picking the right
overload between:

PrintTo(const T& x, ...);
PrintTo(T* x, ...);
DefaultPrintTo(IsContainerTest<T>(0), is_pointer<T>(), value, os);
}

The following list of PrintTo() overloads tells
UniversalPrinter<T>::Print() how to print standard types (built-in
types, strings, plain arrays, and pointers).

Overloads for various char types.
GTEST_API_ void PrintTo(unsigned char c, ::std::ostream* os);
GTEST_API_ void PrintTo(signed char c, ::std::ostream* os);
inline void PrintTo(char c, ::std::ostream* os) {
  // When printing a plain char, we always treat it as unsigned. This
  // way, the output won't be affected by whether the compiler thinks
  // char is signed or not.
  PrintTo(static_cast<unsigned char>(c), os);
}

Overloads for other simple built-in types.
inline void PrintTo(bool x, ::std::ostream* os) {
  *os << (x ? "true" : "false");
}

Overload for wchar_t type.
// Prints a wchar_t as a symbol if it is printable or as its internal
// code otherwise and also as its decimal code (except for L'\0').
// The L'\0' char is printed as "L'\0'". The decimal code is printed
// as signed integer when wchar_t is implemented by the compiler
// as a signed type and is printed as an unsigned integer when wchar_t
// is implemented as an unsigned type.
GTEST_API_ void PrintTo(wchar_t wc, ::std::ostream* os);
// Overloads for C strings.
GTEST_API_ void PrintTo(const char* s, ::std::ostream* os);
inline void PrintTo(char* s, ::std::ostream* os) {
  PrintTo(ImplicitCast_<const char*>(s), os);
}

// signed/unsigned char is often used for representing binary data, so
// we print pointers to it as void* to be safe.
inline void PrintTo(const signed char* s, ::std::ostream* os) {
  PrintTo(ImplicitCast_<const void*>(s), os);
}
inline void PrintTo(signed char* s, ::std::ostream* os) {
  PrintTo(ImplicitCast_<const void*>(s), os);
}
inline void PrintTo(const unsigned char* s, ::std::ostream* os) {
  PrintTo(ImplicitCast_<const void*>(s), os);
}
inline void PrintTo(unsigned char* s, ::std::ostream* os) {
  PrintTo(ImplicitCast_<const void*>(s), os);
}

// MSVC can be configured to define wchar_t as a typedef of unsigned
// short. It defines _NATIVE_WCHAR_T_DEFINED when wchar_t is a native
// type. When wchar_t is a typedef, defining an overload for const
// wchar_t* would cause unsigned short* be printed as a wide string,
// possibly causing invalid memory accesses.
#if !defined(_MSC_VER) || defined(_NATIVE_WCHAR_T_DEFINED)
// Overloads for wide C strings
GTEST_API_ void PrintTo(const wchar_t* s, ::std::ostream* os);
inline void PrintTo(wchar_t* s, ::std::ostream* os) {
  PrintTo(ImplicitCast_<const wchar_t*>(s), os);
}
#endif

// Overload for C arrays. Multi-dimensional arrays are printed
// properly.

// Prints the given number of elements in an array, without printing
// the curly braces.
template <typename T>
void PrintRawArrayTo(const T a[], size_t count, ::std::ostream* os) {
  UniversalPrint(a[0], os);
  for (size_t i = 1; i != count; i++) {
    *os << ", ";
    UniversalPrint(a[i], os);
  }
}
// Overloads for ::string and ::std::string.
#if GTEST_HAS_GLOBAL_STRING
GTEST_API_ void PrintStringTo(const ::string&s, ::std::ostream* os);
inline void PrintTo(const ::string& s, ::std::ostream* os) {
  PrintStringTo(s, os);
}
#endif  // GTEST_HAS_GLOBAL_STRING

GTEST_API_ void PrintStringTo(const ::std::string&s, ::std::ostream* os);
inline void PrintTo(const ::std::string& s, ::std::ostream* os) {
  PrintStringTo(s, os);
}

// Overloads for ::wstring and ::std::wstring.
#if GTEST_HAS_GLOBAL_WSTRING
GTEST_API_ void PrintWideStringTo(const ::wstring&s, ::std::ostream* os);
inline void PrintTo(const ::wstring& s, ::std::ostream* os) {
  PrintWideStringTo(s, os);
}
#endif  // GTEST_HAS_GLOBAL_WSTRING

#if GTEST_HAS_STD_WSTRING
GTEST_API_ void PrintWideStringTo(const ::std::wstring&s, ::std::ostream* os);
inline void PrintTo(const ::std::wstring& s, ::std::ostream* os) {
  PrintWideStringTo(s, os);
}
#endif  // GTEST_HAS_STD_WSTRING

#if GTEST_HAS_TR1_TUPLE || GTEST_HAS_STD_TUPLE_
// Helper function for printing a tuple. T must be instantiated with
// a tuple type.
template <typename T>
void PrintTupleTo(const T& t, ::std::ostream* os);
#endif  // GTEST_HAS_TR1_TUPLE || GTEST_HAS_STD_TUPLE_

#if GTEST_HAS_TR1_TUPLE
// Overload for ::std::tr1::tuple. Needed for printing function arguments,
// which are packed as tuples.

// Overloaded PrintTo() for tuples of various arities. We support
// tuples of up-to 10 fields. The following implementation works
// regardless of whether tr1::tuple is implemented using the
// non-standard variadic template feature or not.
inline void PrintTo(const ::std::tr1::tuple<> & t, ::std::ostream* os) {
  PrintTupleTo(t, os);
}
template <typename T1>
void PrintTo(const ::std::tr1::tuple<T1>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2>
void PrintTo(const ::std::tr1::tuple<T1, T2>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4, T5>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5, typename T6>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4, T5, T6>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5, typename T6, typename T7>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4, T5, T6, T7>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5, typename T6, typename T7, typename T8>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4, T5, T6, T7, T8>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5, typename T6, typename T7, typename T8>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4, T5, T6, T7, T8>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5, typename T6, typename T7, typename T8, typename T9>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4, T5, T6, T7, T8, T9>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5, typename T6, typename T7, typename T8, typename T9, typename T10>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4, T5, T6, T7, T8, T9, T10>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5, typename T6, typename T7, typename T8, typename T9, typename T10, typename T11>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5, typename T6, typename T7, typename T8, typename T9, typename T10, typename T11, typename T12>
void PrintTo(const ::std::tr1::tuple<T1, T2, T3, T4, T5, T6, T7, T8, T9, T10, T11, T12>& t, ::std::ostream* os) {
    PrintTupleTo(t, os);
}
typedef T6, typename T7, typename T8, typename T9>
void PrintTo(const ::tr1::tuple<T1, T2, T3, T4, T5, T6, T7, T8, T9>& t,
   ::ostream* os) {
PrintTupleTo(t, os);
}

template <typename T1, typename T2, typename T3, typename T4, typename T5,
    typename T6, typename T7, typename T8, typename T9, typename T10>
void PrintTo(
    const ::tr1::tuple<T1, T2, T3, T4, T5, T6, T7, T8, T9, T10>& t,
   ::ostream* os) {
PrintTupleTo(t, os);
}
#endif // GTEST_HAS_TR1_TUPLE

#include GTEST_HAS_STD_TUPLE_ 

template <typename... Types>
void PrintTo(const ::std::tuple<Types...>& t, ::ostream* os) {
PrintTupleTo(t, os);
}
#endif // GTEST_HAS_STD_TUPLE_

// Overload for std::pair.
template <typename T1, typename T2>
void PrintTo(const ::std::pair<T1, T2>& value, ::ostream* os) {
   *os << '(';
   // We cannot use UniversalPrint(value.first, os) here, as T1 may be
   // a reference type. The same for printing value.second.
   UniversalPrinter<T1>::Print(value.first, os);
   *os << ', ';
   UniversalPrinter<T2>::Print(value.second, os);
   *os << ')';
}

// Implements printing a non-reference type T by letting the compiler
// pick the right overload of PrintTo() for T.
template <typename T>
class UniversalPrinter {
public:
   // MSVC warns about adding const to a function type, so we want to
   // disable the warning.
   GTEST_DISABLE_MSC_WARNINGS_PUSH_(4180)

   // Note: we deliberately don't call this PrintTo(), as that name
   // conflicts with ::testing::internal::PrintTo in the body of the
   // function.
   static void Print(const T& value, ::ostream* os) {
      // By default, ::testing::internal::PrintTo() is used for printing
// the value.
//
// Thanks to Koenig look-up, if T is a class and has its own
// PrintTo() function defined in its namespace, that function will
// be visible here. Since it is more specific than the generic ones
// in ::testing::internal, it will be picked by the compiler in the
// following statement - exactly what we want.
PrintTo(value, os);

GTEST_DISABLE_MSC_WARNINGS_POP_();

// UniversalPrintArray(begin, len, os) prints an array of 'len'
// elements, starting at address 'begin'.
template <typename T>
void UniversalPrintArray(const T* begin, size_t len, ::std::ostream* os) {
    if (len == 0) {
        *os << "{}";
    } else {
        *os << "{ ";
        const size_t kThreshold = 18;
        const size_t kChunkSize = 8;
        // If the array has more than kThreshold elements, we'll have to
        // omit some details by printing only the first and the last
        // kChunkSize elements.
        // TODO(wan@google.com): let the user control the threshold using a flag.
        if (len <= kThreshold) {
            PrintRawArrayTo(begin, len, os);
        } else {
            PrintRawArrayTo(begin, kChunkSize, os);
            *os << ", ..., ";
            PrintRawArrayTo(begin + len - kChunkSize, kChunkSize, os);
        }
        *os << "}";
    }
}

// This overload prints a (const) char array compactly.
GTEST_API_ void UniversalPrintArray(const char* begin, size_t len, ::std::ostream* os);

// This overload prints a (const) wchar_t array compactly.
GTEST_API_ void UniversalPrintArray(const wchar_t* begin, size_t len, ::std::ostream* os);

// Implements printing an array type T[N].
template <typename T, size_t N>
class UniversalPrinter<T[N]>
{

public:
    // Prints the given array, omitting some elements when there are too
    // many.
    static void Print(const T (&a)[N], ::std::ostream* os) {
        UniversalPrintArray(a, N, os);
    }
};

// Implements printing a reference type T&.
template <typename T>
class UniversalPrinter<T&> {
public:
    // MSVC warns about adding const to a function type, so we want to
    // disable the warning.
    GTEST_DISABLE_MSC_WARNINGS_PUSH_(4180)
    static void Print(const T& value, ::std::ostream* os) {
        // Prints the address of the value. We use reinterpret_cast here
        // as static_cast doesn't compile when T is a function type.
        *os << "@" << reinterpret_cast<const void*>(&value) << " ";

        // Then prints the value itself.
        UniversalPrint(value, os);
    }
    GTEST_DISABLE_MSC_WARNINGS_POP_()
};

// Prints a value tersely: for a reference type, the referenced value
// (but not the address) is printed; for a (const) char pointer, the
// NUL-terminated string (but not the pointer) is printed.
template <typename T>
class UniversalTersePrinter {
public:
    static void Print(const T& value, ::std::ostream* os) {
        UniversalPrint(value, os);
    }
};

template <typename T>
class UniversalTersePrinter<T&> {
public:
    static void Print(const T& value, ::std::ostream* os) {
        UniversalPrint(value, os);
    }
};

template <typename T, size_t N>
class UniversalTersePrinter<T[N]> {

public:
static void Print(const T (&value)[N], ::std::ostream* os) {
    UniversalPrinter<T[N]>::Print(value, os);
}
};

template <>
class UniversalTersePrinter<const char*> {
public:
static void Print(const char* str, ::std::ostream* os) {
    if (str == NULL) {
        *os << "NULL";
    } else {
        UniversalPrint(string(str), os);
    }
}
};

template <>
class UniversalTersePrinter<char*> {
public:
static void Print(char* str, ::std::ostream* os) {
    UniversalTersePrinter<const char*>::Print(str, os);
}
};

#if GTEST_HAS_STD_WSTRING

template <>
class UniversalTersePrinter<const wchar_t*> {
public:
static void Print(const wchar_t* str, ::std::ostream* os) {
    if (str == NULL) {
        *os << "NULL";
    } else {
        UniversalPrint(::std::wstring(str), os);
    }
}
};
#endif

template <typename T>
void UniversalTersePrint(const T& value, ::std::ostream* os) {

UniversalTersePrinter<T>::Print(value, os);
}

// Prints a value using the type inferred by the compiler. The
// difference between this and UniversalTersePrint() is that for a
// (const) char pointer, this prints both the pointer and the
// NUL-terminated string.
template <typename T>
void UniversalPrint(const T& value, ::std::ostream* os) {
  // A workarond for the bug in VC++ 7.1 that prevents us from instantiating
  // UniversalPrinter with T directly.
typedef T T1;
  UniversalTersePrinter<T1>::Print(value, os);
}

typedef ::std::vector<string> Strings;

// TuplePolicy<TupleT> must provide:
// - tuple_size
//   size of tuple TupleT.
// - get<size_t I>(const TupleT& t)
//   static function extracting element I of tuple TupleT.
// - tuple_element<size_t I>::type
//   type of element I of tuple TupleT.
template <typename TupleT>
struct TuplePolicy;

#if GTEST_HAS_TR1_TUPLE
template <typename TupleT>
struct TuplePolicy {
  typedef TupleT Tuple;
  static const size_t tuple_size = ::std::tr1::tuple_size<Tuple>::value;

  template <size_t I>
  struct tuple_element : ::std::tr1::tuple_element<I, Tuple> {};

template <size_t I>
  static typename AddReference<
    const typename ::std::tr1::tuple_element<I, Tuple>::type>::type get(
    const Tuple& tuple) {
    return ::std::tr1::get<I>(tuple);
  }
};
#endif  // GTEST_HAS_TR1_TUPLE

#if GTEST_HAS_STD_TUPLE_
template <typename... Types>
struct TuplePolicy< ::std::tuple<Types...> > {
    typedef ::std::tuple<Types...> Tuple;
    static const size_t tuple_size = ::std::tuple_size<Tuple>::value;

    template <size_t I>
    struct tuple_element : ::std::tuple_element<I, Tuple> {};

    template <size_t I>
    static const typename ::std::tuple_element<I, Tuple>::type& get(
        const Tuple& tuple) {
        return ::std::get<I>(tuple);
    }
};
::std::stringstream ss;
UniversalTersePrint(TuplePolicy<Tuple>::template get<N - 1>(t), &ss);
strings->push_back(ss.str());
}

// Base case.
template <>
struct TuplePrefixPrinter<0> {
  template <typename Tuple>
  static void PrintPrefixTo(const Tuple&, ::std::ostream*) {}

  template <typename Tuple>
  static void TersePrintPrefixToStrings(const Tuple&, Strings*) {};
};

// Helper function for printing a tuple.
// Tuple must be either std::tr1::tuple or std::tuple type.
template <typename Tuple>
void PrintTupleTo(const Tuple& t, ::std::ostream* os) {
  *os << "(";
  TuplePrefixPrinter<TuplePolicy<Tuple>::tuple_size>::PrintPrefixTo(t, os);
  *os << ")";
}

// Prints the fields of a tuple tersely to a string vector, one
element for each field. See the comment before
// UniversalTersePrint() for how we define "tersely".
template <typename Tuple>
Strings UniversalTersePrintTupleFieldsToStrings(const Tuple& value) {
  Strings result;
  TuplePrefixPrinter<TuplePolicy<Tuple>::tuple_size>:::
  TersePrintPrefixToStrings(value, &result);
  return result;
}
#endif  // GTEST_HAS_TR1_TUPLE || GTEST_HAS_STD_TUPLE_
}
}  // namespace internal

template <typename T>
::std::string PrintToString(const T& value) {
  ::std::stringstream ss;
  internal::UniversalTersePrinter<T>::Print(value, &ss);
  return ss.str();
}

}  // namespace testing
// Include any custom printer added by the local installation.
// We must include this header at the end to make sure it can use the
// declarations from this file.
#include "gtest/internal/custom/gtest-printers.h"

#errorf // GTEST_INCLUDE_GTEST_GTEST_PRINTERS_H_
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2.9 javax-inject 2.4.0 :b06

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 */

package javax.inject;

import java.lang.annotation.Target;
import java.lang.annotation.Retention;
import java.lang.annotation.Documented;
import static java.lang.annotation.RetentionPolicy.RUNTIME;
import static java.lang.annotation.ElementType.METHOD;
import static java.lang.annotation.ElementType.CONSTRUCTOR;
import static java.lang.annotation.ElementType.FIELD;

/**
 * Identifies injectable constructors, methods, and fields. May apply to static
 * as well as instance members. An injectable member may have any access
 * modifier (private, package-private, protected, public). Constructors are
 * injected first, followed by fields, and then methods. Fields and methods
 * in superclasses are injected before those in subclasses. Ordering of
 * injection among fields and among methods in the same class is not specified.
 * Injectable constructors are annotated with {@code @Inject} and accept
 * zero or more dependencies as arguments. {@code @Inject} can apply to at most
 * one constructor per class.
 */

/*
 * @code
 * @Inject
 * <blockquote style="padding-left: 2em; text-indent: -2em;"/>
 * <i>ConstructorModifiers<sub>opt</sub></i>
 * <i>SimpleTypeName</i>(<i>FormalParameterList<sub>opt</sub></i>)
 * <i>Throws<sub>opt</sub></i>
 * <i>ConstructorBody</i>
 */
* <p>{@code @Inject} is optional for public, no-argument constructors when no
* other constructors are present. This enables injectors to invoke default
* constructors.
* *
* <p><blockquote style="padding-left: 2em; text-indent: -2em;">
* <i>@Inject<sub><i>opt</i></sub></i><i>Annotations<sub><i>opt</i></sub></i><i>public</i><i>SimpleTypeName<sub><i>opt</i></sub>()</i><i>Throws<sub><i>opt</i></sub>ConstructorBody<sub><i>opt</i></sub></i></blockquote>
* *
* <p>Injectable fields:
* <ul>
*   <li>are annotated with {@code @Inject}.
*   <li>are not final.
*   <li>may have any otherwise valid name.</li></ul>
* *
* <p><blockquote style="padding-left: 2em; text-indent: -2em;">
* <i>@Inject</i><i>FieldModifiers<sub><i>opt</i></sub></i><i>Type</i><i>VariableDeclarators<sub><i>opt</i></sub></i></blockquote>
* *
* <p>Injectable methods:
* <ul>
*   <li>are annotated with {@code @Inject}.</li>
*   <li>are not abstract.</li>
*   <li>may return a result</li>
*   <li>accept zero or more dependencies as arguments.</li></ul>
* *
* <p><blockquote style="padding-left: 2em; text-indent: -2em;">
* <i>@Inject</i><i>MethodModifiers<sub><i>opt</i></sub></i><i>ResultType</i><i>Identifier</i>(<i>FormalParameterList<sub><i>opt</i></sub></i>)<i>Throws<sub><i>opt</i></sub>MethodBody</i></blockquote>
* *
* <p>The injector ignores the result of an injected method, but
* non-{@code void} return types are allowed to support use of the method in
* other contexts (builder-style method chaining, for example).
* *
* <p>Examples:
* *
* <pre>
* public class Car {
* // Injectable constructor
* &amp;#064;Inject public Car(Engine engine) { ... }
*
* // Injectable field
* &amp;#064;Inject private Provider&lt;Seat&gt; seatProvider;
*
* // Injectable package-private method
* &amp;#064;Inject void install(Windshield windshield, Trunk trunk) { ... }
* } </pre>
*
* &lt;p&gt;A method annotated with [@code @Inject] that overrides another method
* annotated with [@code @Inject] will only be injected once per injection
* request per instance. A method with &lt;i&gt;no&lt;/i&gt; [@code @Inject] annotation
* that overrides a method annotated with [@code @Inject] will not be
* injected.
*
* &lt;p&gt;Injection of members annotated with [@code @Inject] is required. While an
* injectable member may use any accessibility modifier (including
* &lt;tt&gt;private&lt;/tt&gt;), platform or injector limitations (like security
* restrictions or lack of reflection support) might preclude injection
* of non-public members.
*
* &lt;h3&gt;Qualifiers&lt;/h3&gt;
*
* &lt;p&gt;A [@linkplain Qualifier qualifier] may annotate an injectable field
* or parameter and, combined with the type, identify the implementation to
* inject. Qualifiers are optional, and when used with [@code @Inject] in
* injector-independent classes, no more than one qualifier should annotate a
* single field or parameter. The qualifiers are bold in the following example:
*
* &lt;pre&gt;
* public class Car {
* &amp;#064;Inject private &lt;b&gt;@Leather&lt;/b&gt; Provider&lt;lt;Seat&gt; seatProvider;
* *
* &amp;#064;Inject void install(&lt;b&gt;@Tinted&lt;/b&gt; Windshield windshield,
* &lt;b&gt;@Big&lt;/b&gt; Trunk trunk) { ... }
* } </pre>
*
* &lt;p&gt;If one injectable method overrides another, the overriding method's
* parameters do not automatically inherit qualifiers from the overridden
* method's parameters.
*
* &lt;h3&gt;Injectable Values&lt;/h3&gt;
*
* &lt;p&gt;For a given type T and optional qualifier, an injector must be able to
* inject a user-specified class that:
*
* &lt;ol type="a"&gt;
is assignment compatible with T and has an injectable constructor.

For example, the user might use external configuration to pick an implementation of T. Beyond that, which values are injected depend upon the injector implementation and its configuration.

Circular Dependencies

Detecting and resolving circular dependencies is left as an exercise for the injector implementation. Circular dependencies between two constructors is an obvious problem, but you can also have a circular dependency between injectable fields or methods:

```java
class A {
    @Inject B b;
}

class B {
    @Inject A a;
}
```

When constructing an instance of `A`, a naive injector implementation might go into an infinite loop constructing an instance of `B` to set on `A`, a second instance of `A` to set on `B`, a second instance of `B` to set on the second instance of `A`, and so on.

A conservative injector might detect the circular dependency at build time and generate an error, at which point the programmer could break the circular dependency by injecting `@link Provider Provider&lt;A&gt;` or `@code Provider&lt;B&gt;` instead of `@code A` or `@code B` respectively. Calling `@link Provider#get()` on the provider directly from the constructor or method it was injected into defeats the provider's ability to break up circular dependencies. In the case of method or field injection, scoping one of the dependencies (using `@linkplain Singleton singleton scope`, for example) may also enable a valid circular relationship.

@see javax.inject.Qualifier @Qualifier
@see javax.inject.Provider

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
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cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
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lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
```
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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2.12 libidn 1.33

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2.14 net-snmp 5.0.9 :1.0 REV 2005.01.08.05.16

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2.16 odbc 1.0.0 :0

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is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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