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- <kirkwood@striderfm.intel.com> port to WindowsNT 3.5
5. [6]Michael Barone <michael,barone@lmco.com> GPSVME fixes
 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 iosignal code into separate modules.
 8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
 9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
 10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
 11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
 12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
 13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
 14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
 15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
 16. [17]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
 17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
 18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
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 23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
 24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
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 27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
 28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
 29. [32]Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote sntp to comply with NTPv4 specification, ntpq saveconfig
 30. [33]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
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 32. [35]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
 33. [36]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
 34. [37]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication

35. [38]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
36. [39]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
37. [40]David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
38. [41]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
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42. [45]Derek Mulcahy <derek@toybox.demon.co.uk> and [46]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
43. [47]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
44. [48]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
45. [49]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
46. [50]Wilfredo Snchez <wsanchez@apple.com> added support for NetInfo
47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54]Michael Shields <shields@tembel.org> USNO clock driver
51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
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57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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href="mailto:%20kirkwood@striderfm.intel.com">Clayton Kirkwood <kirkwood@striderfm.intel.com></a> port to
WindowsNT 3.5</li>

```

- Michael Barone <michael,barone@lmco.com> GPSVME fixes
- Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
- Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
- Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
- Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
- Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
- Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
- Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
- Steve Clift <clift@ml.csiro.au> OMEGA clock driver
- Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
- Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
- John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
- Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
- Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
- John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
- Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
- Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
- Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
- Mike Iglesias <iglesias@uci.edu> DEC Alpha port
- Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
- Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
- Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or <H.Lambermont@chello.nl> ntpswEEP
- Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
- Frank Kardel <kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
- Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote <tt>sntp</tt>

to comply with NTPv4 specification, <tt>ntp saveconfig</tt>

- William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HP-UX modifications
- Dave Katz <dkatz@cisco.com> RS/6000 AIX port
- Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
- George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
- Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
- Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
- Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
- David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
- Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
- Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
- Tom Moore <tmoore@fieval.daytonoh.ncr.com> i386 svr4 port
- Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
- Derek Mulcahy <derek@toybox.demon.co.uk> and Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
- Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
- Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
- Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
- Wilfredo Sßanchez <wsanchez@apple.com> added support for NetInfo
- Nick Sayer <mrapple@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
Brian Utterback <brian.utterback@oracle.com>
General codebase, Solaris issues
Loganaden Velvindron <loganaden@gmail.com>
Sandboxing (libseccomp) support
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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1.4 binutils-linaro 2.24.0 2014.09

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```
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```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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Version 3, 29 June 2007

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```
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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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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.

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

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

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

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

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

than the cost of performing this distribution.

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

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

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

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

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

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

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
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Preamble

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

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a

"work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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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.
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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.

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also 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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1.6 valgrind 3.12.0

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1.8 jansson 2.10

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1.11 e2fsprogs 1.42.12

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* More debugging hooks for `malloc'.

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Index: tdbsa/tdb.c

 --- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

*/

/*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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 This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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

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Theodore Ts'o
23-June-2007

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

That's all there is to it!

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

```
all:: image
```

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

```
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
```

BSDLIB_PIC_FLAG = -fpic

image: \$(BSD_LIB)

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

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

install-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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```
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```

```
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1.13 util-linux 2.30.2

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1.14 libconfig 1.4.9

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally

accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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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<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!

@c \input texinfo.tex @c -*texinfo-*-

@c

@c %**start of header

@c All text is ignored before the setfilename.

@setfilename LGPL.info

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@center Version 2.1, February 1999

@sp 1

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@sp 1
@center Preamble
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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.

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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 modified work must itself be a software library.

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

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application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

@end enumerate

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

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

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

This option is useful when you wish to copy part of the code of the

Library into a program that is not a library.

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether

or not they are linked directly with the Library itself.

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

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Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above,

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@t{

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

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

}

@end format

That's all there is to it!

@c @bye

1.15 libev 5.5

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1.18 uclibc 0.9.33.2

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the

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

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

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

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

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

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

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

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

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

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

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

That's all there is to it!

From gsf@research.att.com Wed Mar 1 20:30:54 2006

Return-Path: <gsf@research.att.com>

X-Original-To: mps@bridge.intra

Delivered-To: mps@bridge.intra

Received: from localhost (localhost [127.0.0.1])

by localhost (Postfix) with ESMTP id B8C814E4F

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:53 +0100 (CET)

Received: from mail.bridge.intra ([127.0.0.1])

by localhost (lnx.bridge.intra [127.0.0.1]) (amavisd-new, port 10024)

with LMTP id 05987-03 for <mps@bridge.intra>;

Wed, 1 Mar 2006 20:30:42 +0100 (CET)

Received: from pop.gmx.net (localhost [127.0.0.1])

by mail.bridge.intra (Postfix) with ESMTP id C8C73794D

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:38 +0100 (CET)

X-Flags: 0000

Delivered-To: GMX delivery to ps.m@gmx.net

Received: (qmail invoked by alias); 01 Mar 2006 19:23:46 -0000

Received: from mail-red.research.att.com (EHLO mail-white.research.att.com) [192.20.225.110]

by mx0.gmx.net (mx085) with SMTP; 01 Mar 2006 20:23:46 +0100

Received: from raptor.research.att.com (raptor.research.att.com [135.207.23.32])

by mail-blue.research.att.com (Postfix) with ESMTP id B7929147CBB

for <ps.m@gmx.net>; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Received: (from gsf@localhost)

by raptor.research.att.com (SGI-8.9.3p2/8.8.7) id OAA86112

for ps.m@gmx.net; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Date: Wed, 1 Mar 2006 14:23:45 -0500 (EST)

From: Glenn Fowler <gsf@research.att.com>

Message-Id: <200603011923.OAA86112@raptor.research.att.com>

Organization: AT&T Research

X-Mailer: mailx (AT&T/BSD) 9.9 2005-04-21
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
References: <Pine.LNX.4.44.0603012011250.6386-100000@lnx.bridge.intra>
To: mps@bridge.intra
Subject: Re: testregex licensing question
X-GMX-Antivirus: -1 (not scanned, may not use virus scanner)
X-GMX-Antispam: 0 (Mail was not recognized as spam)
X-GMX-UID: lJF3ZO9DeSEkJ2TcbHQhaXN1IGRvb0Ca
X-Virus-Scanned: by amavisd-new at localhost
Status: RO
X-Status:
X-Keywords:
X-UID: 44736

you may include it directly
retain the testregex.c header comment
it uses a very free license to maximize distribution
you can copy that .c comment to any test data files you use
using # comment style to be complete

let me know how it works with your libc
also pass on any new tests you cook up

On Wed, 1 Mar 2006 20:15:02 +0100 (CET) Peter S. Mazinger wrote:

> Hello Glenn!

> I would want to add testregex.c and the related *.dat files to the uClibc
> testsuite. uClibc is licensed under LGPL v2.1. I haven't found any
> licensing related info on testregex.

> Is it allowed to use the code there, or should I accomodate the testsuite
> to download the needed files from the original site each time it is ran?

> Thanks, Peter

> --

> Peter S. Mazinger <ps dot m at gmx dot net> ID: 0xA5F059F2
> Key fingerprint = 92A4 31E1 56BC 3D5A 2D08 BB6E C389 975E A5F0 59F2
Licensed under the LGPL v2.1, see the file COPYING.LIB in this tarball.

1.19 hostapd 2.3

1.19.1 Available under license :

wpa_supplicant and hostapd

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1.20 ocf-crypto-headers 20110720.1

1.20.1 Available under license :

/*_

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- * The license and original author are listed below.
- *
- * The author of this code is Angelos D. Keromytis (angelos@cis.upenn.edu)
- * Copyright (c) 2002-2006 Sam Leffler, Erno Consulting
- *
- * This code was written by Angelos D. Keromytis in Athens, Greece, in
- * February 2000. Network Security Technologies Inc. (NSTI) kindly
- * supported the development of this code.
- *
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*

* Effort sponsored in part by the Defense Advanced Research Projects
* Agency (DARPA) and Air Force Research Laboratory, Air Force
* Materiel Command, USAF, under agreement number F30602-01-2-0537.

*

*/

#

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#

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#

include \$(TOPDIR)/rules.mk

PKG_NAME:=ocf-crypto-headers

PKG_VERSION:=20110720

PKG_RELEASE:=1

```

PKG_LICENSE:=GPL-2.0
PKG_LICENSE_FILES:=cryptodev.h

PKG_BUILD_DIR:=$(BUILD_DIR)/$(PKG_NAME)

include $(INCLUDE_DIR)/package.mk

define Package/ocf-crypto-headers
SECTION:=utils
CATEGORY:=Utilities
TITLE:=OCF-Linux cryptodev header
PKGARCH:=all
URL:=http://ocf-linux.sourceforge.net/
endef

define Build/Configure
endef

define Build/Compile
endef

define Build/InstallDev
mkdir -p $(1)/usr/include/crypto
$(CP) ./src/cryptodev.h $(1)/usr/include/crypto
endef

$(eval $(call BuildPackage,ocf-crypto-headers))

```

1.21 libiconv 7

1.21.1 Available under license :

The source file iconv.m4 contains the following message

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence

the version number 2.1.]

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

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

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

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

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

that program using a modified version of the Library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated 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.)

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

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

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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.

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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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1.22 procrank 1.0

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Version 3, 29 June 2007

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1.23 busybox 1.23.2

1.23.1 Available under license :

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1.24 curl 7.59

1.24.1 Available under license :

License Mixing

=====

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1.25 iproute 4.0.0

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1.26 linux-kernel 3.14.43

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Version 1.0

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```

/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
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*
* M. Welsh, 6 July 1996
*
*
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for the initial saa7146 driver and its recent overhaul
```

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for the nxt2002 frontend driver

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for the nxt2004 frontend driver

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for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
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1.31 pycurl 7.43.0

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1.32 popt 1.16 r6

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1.33 six 1.10.0

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1.34 mbedtls-cheetah 2.16.2

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*

* curve25519-donna: Curve25519 elliptic curve, public key function

*

* <http://code.google.com/p/curve25519-donna/>

*

* Adam Langley <agl@imperialviolet.org>

*

* Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>

*

* More information about curve25519 can be found here

* <http://cr.yp.to/ecdh.html>

- *
- * djb's sample implementation of curve25519 is written in a special assembly
- * language called qasm and uses the floating point registers.
- *
- * This is, almost, a clean room reimplementation from the curve25519 paper. It
- * uses many of the tricks described therein. Only the crecip function is taken
- * from the sample implementation.
- */

1.36 u-boot 2010.06

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* PacketBB handler library (see RFC 5444)

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* Original OLSRd implementation by Hannes Gredler <hannes@gredler.at>

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1.40 kexec-tools 2.0.14

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

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

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

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

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

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

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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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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- 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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1.43 smack 1.3.x

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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.)

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

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

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

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

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

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

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

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

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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.

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```

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1.46 ethtool 4.2

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1.47 iputils 20101006

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1.48 tcpdump 4.5.1

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The End

1.52 toolchain 1

1.52.1 Available under license :

```
#
# Copyright (C) 2007-2014 OpenWrt.org
#
# This is free software, licensed under the GNU General Public License v2.
# See /LICENSE for more information.
#
```

```
include $(TOPDIR)/rules.mk
PKG_NAME:=toolchain
PKG_RELEASE:=1
```

```
PKG_MAINTAINER:=Felix Fietkau <nbd@openwrt.org>
PKG_LICENSE:=GPL-3.0-with-GCC-exception
```

```
include $(INCLUDE_DIR)/package.mk
```

```
ifneq ($(DUMP),1)
LIBGCC_VERSION:=$(GCC_VERSION)
else
LIBC_VERSION:=<LIBC_VERSION>
LIBGCC_VERSION:=<LIBGCC_VERSION>
endif
```

```
define Package/gcc/Default
SECTION:=libs
CATEGORY:=Base system
URL:=http://gcc.gnu.org/
VERSION:=$(LIBGCC_VERSION)-$(PKG_RELEASE)
```

```

endif

define Package/libgcc
$(call Package/gcc/Default)
TITLE:=GCC support library
endif

define Package/libgcc/config
menu "Configuration"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libgcc

config LIBGCC_ROOT_DIR
string
prompt "libgcc shared library base directory"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libgcc
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
default "/" if NATIVE_TOOLCHAIN

config LIBGCC_FILE_SPEC
string
prompt "libgcc shared library files (use wildcards)"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libgcc
default "./lib/libgcc_s.so.*"

endmenu
endif

define Package/libatomic
$(call Package/gcc/Default)
DEPENDS:=+libgcc
TITLE:=Atomic support library
endif

define Package/libatomic/config
menu "Configuration"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libatomic

config LIBATOMIC_ROOT_DIR
string
prompt "libatomic shared library base directory"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libatomic
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
default "/" if NATIVE_TOOLCHAIN

config LIBATOMIC_FILE_SPEC
string
prompt "libatomic shared library files (use wildcards)"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libatomic

```

```
default "./lib/libatomic.so.*"
```

```
endmenu
```

```
endif
```

```
define Package/libssp
```

```
$(call Package/gcc/Default)
```

```
DEPENDS+=@SSP_SUPPORT
```

```
TITLE:=GCC support library
```

```
endif
```

```
define Package/libssp/config
```

```
menu "Configuration"
```

```
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libssp
```

```
config LIBSSP_ROOT_DIR
```

```
string
```

```
prompt "libssp shared library base directory"
```

```
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libssp
```

```
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
```

```
default "/" if NATIVE_TOOLCHAIN
```

```
config LIBSSP_FILE_SPEC
```

```
string
```

```
prompt "libssp shared library files (use wildcards)"
```

```
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libssp
```

```
default "./lib/libssp.so.*"
```

```
endmenu
```

```
endif
```

```
define Package/libstdcpp
```

```
$(call Package/gcc/Default)
```

```
NAME:=libstdc++
```

```
TITLE:=GNU Standard C++ Library v3
```

```
endif
```

```
define Package/libstdcpp/config
```

```
menu "Configuration"
```

```
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libstdcpp
```

```
config LIBSTDCPP_ROOT_DIR
```

```
string
```

```
prompt "libstdcpp shared library base directory"
```

```
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libstdcpp
```

```
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
```

```
default "/" if NATIVE_TOOLCHAIN
```

```

config LIBSTDCPP_FILE_SPEC
string
prompt "libstdc++ shared library files (use wildcards)"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libstdcpp
default "./lib/libstdc++.so.*"

endmenu
endif

define Package/libc/Default
SECTION:=libs
CATEGORY:=Base system
VERSION:=$(LIBC_VERSION)-$(PKG_RELEASE)
DEPENDS:=+libgcc
URL:=$(LIBC_URL)
PKG_FLAGS:=hold essential
endif

define Package/libc
$(call Package/libc/Default)
TITLE:=C library
endif

define Package/libc/config
menu "Configuration"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libc

config LIBC_ROOT_DIR
string
prompt "libc shared library base directory"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libc
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
default "/" if NATIVE_TOOLCHAIN

config LIBC_FILE_SPEC
string
prompt "libc shared library files (use wildcards)"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libc
default "./lib/ld{-*so,-linux*.so.*} ./lib/lib{anl,c,cidn,crypt,dl,m,nsl,nss_dns,nss_files,resolv,util}{-*so,.so.*}"

endmenu
endif

define Package/libpthread

```

```

$(call Package/libc/Default)
TITLE:=POSIX thread library
endif

define Package/libpthread/config
menu "Configuration"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libpthread

config LIBPTHREAD_ROOT_DIR
string
prompt "libpthread shared library base directory"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libpthread
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
default "/" if NATIVE_TOOLCHAIN

config LIBPTHREAD_FILE_SPEC
string
prompt "libpthread shared library files (use wildcards)"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libpthread
default "/lib/libpthread{ -*.so,.so.* }"

endmenu
endif

define Package/libthread-db
$(call Package/libc/Default)
DEPENDS:=@!USE_MUSL
TITLE:=POSIX thread library debugging support
endif

define Package/librt
$(call Package/libc/Default)
TITLE:=POSIX.1b RealTime extension library
DEPENDS:=+libpthread
endif

define Package/librt/config
menu "Configuration"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_librt

config LIBRT_ROOT_DIR
string
prompt "librt shared library base directory"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_librt
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
default "/" if NATIVE_TOOLCHAIN

```

```

config LIBRT_FILE_SPEC
string
prompt "librt shared library files (use wildcards)"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_librt
default "./lib/librt{-*,.so,.so.*}"

endmenu
endif

define Package/libgfortran
$(call Package/gcc/Default)
TITLE:=GFortran support library
DEPENDS+=@INSTALL_GFORTRAN
endif

define Package/libgfortran/config
menu "Configuration"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libgfortran

config LIBGFORTTRAN_ROOT_DIR
string
prompt "libgfortran shared library base directory"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libgfortran
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
default "/" if NATIVE_TOOLCHAIN

config LIBGFORTTRAN_FILE_SPEC
string
prompt "libgfortran shared library files (use wildcards)"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_libgfortran
default "./usr/lib/libgfortran.so.*"

endmenu
endif

define Package/ldd
$(call Package/libc/Default)
DEPENDS:=@!USE_MUSL
SECTION:=utils
CATEGORY:=Utilities
TITLE:=LDD trace utility
endif

define Package/ldd/config
menu "Configuration"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_ldd

```

```

config LDD_ROOT_DIR
string
prompt "ldd trace utility base directory"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_ldd
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
default "/" if NATIVE_TOOLCHAIN

config LDD_FILE_SPEC
string
prompt "ldd trace utility file"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_ldd
default "./usr/bin/ldd"

endmenu
endif

define Package/ldconfig
$(call Package/libc/Default)
DEPENDS:=@!USE_MUSL
SECTION:=utils
CATEGORY:=Utilities
TITLE:=Shared library path configuration
endif

define Package/ldconfig/config
menu "Configuration"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_ldconfig

config LDCONFIG_ROOT_DIR
string
prompt "ldconfig base directory"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_ldconfig
default TOOLCHAIN_ROOT if !NATIVE_TOOLCHAIN
default "/" if NATIVE_TOOLCHAIN

config LDCONFIG_FILE_SPEC
string
prompt "ldconfig file"
depends on EXTERNAL_TOOLCHAIN && PACKAGE_ldconfig
default "./sbin/ldconfig"

endmenu
endif

define Build/Prepare
mkdir -p $(PKG_BUILD_DIR)
endif

```

```

LIBGCC_A=$(lastword $(wildcard $(TOOLCHAIN_DIR)/lib/gcc/*/*/libgcc_pic.a))
LIBGCC_MAP=$(lastword $(wildcard $(TOOLCHAIN_DIR)/lib/gcc/*/*/libgcc.map))
LIBGCC_SO=$(lastword $(wildcard $(TOOLCHAIN_DIR)/lib/libgcc_s.so.*))
ifeq ($(CONFIG_EXTERNAL_TOOLCHAIN),)
ifneq ($(if $(CONFIG_USE_UCLIBC),$(CONFIG_GCC_VERSION_LINARO)),)
BUILD_LIBGCC:=$(if $(CONFIG_m68k)$(CONFIG_powerpc),$(PKG_BUILD_DIR)/libgcc_s.so.*)
endif
endif

ifneq ($(BUILD_LIBGCC),)
define Build/Compile/uClibc
$(SCRIPT_DIR)/relink-lib.sh \
"$(TARGET_CROSS)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libc_so.a)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libc_so.a)" \
"$(patsubst $(TOOLCHAIN_DIR)/lib/%,$(PKG_BUILD_DIR)/%,$(wildcard $(TOOLCHAIN_DIR)/lib/libuClibc-
*.so))" \
-Wl,-init,__uClibc_init -Wl,-soname=libc.so.0
$(BUILD_LIBGCC)
$(SCRIPT_DIR)/relink-lib.sh \
"$(TARGET_CROSS)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libcrypt-*.so)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libcrypt_pic.a)" \
"$(patsubst $(TOOLCHAIN_DIR)/lib/%,$(PKG_BUILD_DIR)/%,$(wildcard $(TOOLCHAIN_DIR)/lib/libcrypt-
*.so))" \
$(BUILD_LIBGCC) \
-Wl,-soname=libcrypt.so.0
$(SCRIPT_DIR)/relink-lib.sh \
"$(TARGET_CROSS)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libatomic.so)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libatomic.a)" \
"$(patsubst $(TOOLCHAIN_DIR)/lib/%,$(PKG_BUILD_DIR)/%,$(wildcard
$(TOOLCHAIN_DIR)/lib/libatomic*.so))" \
$(BUILD_LIBGCC) \
-Wl,-soname=libatomic.so.0
$(SCRIPT_DIR)/relink-lib.sh \
"$(TARGET_CROSS)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libm-*.so)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libm_pic.a)" \
"$(patsubst $(TOOLCHAIN_DIR)/lib/%,$(PKG_BUILD_DIR)/%,$(wildcard $(TOOLCHAIN_DIR)/lib/libm-
*.so))" \
$(BUILD_LIBGCC) \
-Wl,-soname=libm.so.0
$(SCRIPT_DIR)/relink-lib.sh \
"$(TARGET_CROSS)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libpthread-*.so)" \
"$(wildcard $(TOOLCHAIN_DIR)/lib/libpthread_so.a)" \

```



```

"$(patsubst $(TOOLCHAIN_DIR)/lib/%, $(PKG_BUILD_DIR)/%, $(wildcard $(TOOLCHAIN_DIR)/lib/libpthread-
*.so))" \
-Wl,-z,nodelete,-z,initfirst,-init=__pthread_initialize_minimal_internal \
-ldl -lc $(BUILD_LIBGCC) \
-Wl,-soname=libpthread.so.0
endif
define Build/Compile/libgcc
$(SCRIPT_DIR)/relink-lib.sh \
"$(TARGET_CROSS)" \
"$(LIBGCC_SO)" \
"$(LIBGCC_A)" \
"$(patsubst $(TOOLCHAIN_DIR)/lib/%, $(PKG_BUILD_DIR)/%, $(LIBGCC_SO))" \
-Wl,--version-script=$(LIBGCC_MAP) -Wl,-soname=libgcc_s.so.1
endif
else
define Build/Compile/uClibc
$(CP) \
$(TOOLCHAIN_DIR)/lib/libuClibc-*.so \
$(TOOLCHAIN_DIR)/lib/libcrypt-*.so \
$(TOOLCHAIN_DIR)/lib/libm-*.so \
$(TOOLCHAIN_DIR)/lib/libpthread-*.so \
$(PKG_BUILD_DIR)/
endif
ifneq ($(LIBGCC_SO),)
define Build/Compile/libgcc
$(CP) $(LIBGCC_SO) $(PKG_BUILD_DIR)/
endif
endif
endif

define Build/Compile/Default
$(call Build/Compile/libgcc)
$(call Build/Compile/$(LIBC))
endif
Build/Compile = $(Build/Compile/Default)

ifeq ($(CONFIG_EXTERNAL_TOOLCHAIN),)

define Package/libgcc/install
$(INSTALL_DIR) $(1)/lib
$(CP) $(TOOLCHAIN_DIR)/lib/libgcc_s.so.* $(1)/lib/
endif

define Package/libatomic/install
$(INSTALL_DIR) $(1)/lib
$(if $(CONFIG_GCC_VERSION_4_6),,$(CP) $(TOOLCHAIN_DIR)/lib/libatomic.so.* $(1)/lib/)
endif

```

```

define Package/libgfortran/install
$(INSTALL_DIR) $(1)/usr/lib
$(CP) $(TOOLCHAIN_DIR)/lib/libgfortran.so.* $(1)/usr/lib/
endif

define Package/libssp/install
$(INSTALL_DIR) $(1)/lib
$(CP) $(TOOLCHAIN_DIR)/lib/libssp.so.* $(1)/lib/
endif

define Package/libstdcpp/install
$(INSTALL_DIR) $(1)/usr/lib
$(CP) $(TOOLCHAIN_DIR)/lib/libstdc++.so.* $(1)/usr/lib/
endif

use_libutil=$(if
$(CONFIG_GLIBC_USE_VERSION_2_21)$(CONFIG_EGLIBC_OPTION_EGLIBC_UTMP),libutil)
use_libnsl=$(if
$(CONFIG_GLIBC_USE_VERSION_2_21)$(CONFIG_EGLIBC_OPTION_EGLIBC_NIS),libnsl)
use_nsswitch=$(if
$(CONFIG_GLIBC_USE_VERSION_2_21)$(CONFIG_EGLIBC_OPTION_EGLIBC_NSSWITCH),libnss_dns
libnss_files)

define Package/glibc/install
$(CP) ./glibc-files/* $(1)/
rm -f $(1)/etc/localtime
$(LN) /tmp/localtime $(1)/etc/localtime
$(INSTALL_DIR) $(1)/lib
$(CP) \
$(TOOLCHAIN_DIR)/lib/ld*.so.* \
$(TOOLCHAIN_DIR)/lib/ld-$(LIBC_SO_VERSION).so \
$(1)/lib/
for file in libanl libc libcidn libcrypt libdl libm $(use_libnsl) $(use_nsswitch) libresolv $(use_libutil); do \
for file in $(TOOLCHAIN_DIR)/lib/$$$$file.so.* $(TOOLCHAIN_DIR)/lib/$$$$file-$(LIBC_SO_VERSION).so;
do \
if [ -e "$$$$file" ]; then \
$(CP) $$$$file $(1)/lib/; \
fi; \
done; \
done
endif

define Package/uClibc/install
$(INSTALL_DIR) $(1)/lib
$(CP) \
$(TOOLCHAIN_DIR)/lib/ld*-uClibc.so.* \
$(TOOLCHAIN_DIR)/lib/ld*-uClibc-$(LIBC_SO_VERSION).so \
$(1)/lib/

```

```

$(CP) \
$(TOOLCHAIN_DIR)/lib/libc.so.* \
$(TOOLCHAIN_DIR)/lib/libc-$(LIBC_SO_VERSION).so \
$(1)/lib/
for file in libcrypt libdl libm libutil; do \
$(CP) \
$(TOOLCHAIN_DIR)/lib/$$$$file.so.* \
$(TOOLCHAIN_DIR)/lib/$$$$file-$(LIBC_SO_VERSION).so \
$(1)/lib; \
done

$(CP) \
$(PKG_BUILD_DIR)/libuClibc-* \
$(PKG_BUILD_DIR)/libm-* \
$(PKG_BUILD_DIR)/libcrypt-* \
$(1)/lib/

#Cisco changes to package additional libs
$(CP) \
$(TOOLCHAIN_DIR)/lib/libubacktrace*.so* \
$(TOOLCHAIN_DIR)/lib/librt.so.* \
$(TOOLCHAIN_DIR)/lib/librt-$(LIBC_SO_VERSION).so \
$(1)/lib/
$(CP) $(TOOLCHAIN_DIR)/lib/libstdc++.so.* $(1)/lib/
endif

LD_MUSL_NAME = $(notdir $(firstword $(wildcard $(TOOLCHAIN_DIR)/lib/libc.so*)))

define Package/musl/install
$(INSTALL_DIR) $(1)/lib $(1)/usr/bin
$(CP) \
$(TOOLCHAIN_DIR)/lib/ld-musl-*.so* \
$(1)/lib/
$(CP) \
$(TOOLCHAIN_DIR)/lib/libc.so* \
$(1)/lib/
$(LN) ../lib/$(LD_MUSL_NAME) $(1)/usr/bin/ldd
endif

define Package/libc/install
$(call Package/$(LIBC)/install,$1)
endif

define Package/libc/install_lib_nocisco
$(CP) $(filter-out %/libdl_pic.a %/libpthread_pic.a %/libresolv_pic.a,$(wildcard $(TOOLCHAIN_DIR)/lib/lib*.a))
$(1)/lib/
$(if $(wildcard $(TOOLCHAIN_DIR)/lib/libc_so.a),$(CP) $(TOOLCHAIN_DIR)/lib/libc_so.a $(1)/lib/libc_pic.a)
$(if $(LIBGCC_MAP), \

```

```

$(CP) $(LIBGCC_A) $(1)/lib/libgcc_s_pic.a; \
$(CP) $(LIBGCC_MAP) $(1)/lib/libgcc_s_pic.map \
)
endif

define Package/libpthread/install
$(INSTALL_DIR) $(1)/lib
ifneq ($(CONFIG_USE_MUSL),y)
$(CP) \
$(TOOLCHAIN_DIR)/lib/libpthread.so.* \
$(if $(BUILD_LIBGCC),\
$(PKG_BUILD_DIR)/libpthread-$(LIBC_SO_VERSION).so, \
$(TOOLCHAIN_DIR)/lib/libpthread-$(LIBC_SO_VERSION).so \
)\
$(1)/lib/
endif
endif

define Package/libthread-db/install
$(INSTALL_DIR) $(1)/lib
$(CP) \
$(TOOLCHAIN_DIR)/lib/libthread_db.so.* $(1)/lib
ifeq ($(CONFIG_USE_UCLIBC),y)
$(CP) \
$(TOOLCHAIN_DIR)/lib/libthread_db-$(LIBC_SO_VERSION).so \
$(1)/lib/
endif
endif

define Package/libpthread/install_lib_nocisco
$(if $(wildcard $(TOOLCHAIN_DIR)/lib/libpthread_so.a),$(CP) $(TOOLCHAIN_DIR)/lib/libpthread_so.a
$(1)/lib/libpthread_pic.a)
endif

define Package/librt/install
$(INSTALL_DIR) $(1)/lib
ifneq ($(CONFIG_USE_MUSL),y)
$(CP) \
$(TOOLCHAIN_DIR)/lib/librt.so.* \
$(TOOLCHAIN_DIR)/lib/librt-$(LIBC_SO_VERSION).so \
$(1)/lib/
endif
endif

define Package/ldd/install
$(INSTALL_DIR) $(1)/usr/bin/
$(CP) $(TOOLCHAIN_DIR)/bin/ldd $(1)/usr/bin/
endif

```

```

define Package/ldconfig/install
$(INSTALL_DIR) $(1)/sbin/
$(CP) $(TOOLCHAIN_DIR)/sbin/ldconfig $(1)/sbin/
endif

else

define Package/libgcc/install
for file in $(call qstrip,$(CONFIG_LIBGCC_FILE_SPEC)); do \
dir=`dirname $$$file` ; \
$(INSTALL_DIR) $(1)/$$$dir ; \
$(CP) $(call qstrip,$(CONFIG_LIBGCC_ROOT_DIR))/$$$file $(1)/$$$dir/ ; \
done ; \
exit 0
endif

define Package/libgfortran/install
for file in $(call qstrip,$(CONFIG_LIBGFORTTRAN_FILE_SPEC)); do \
dir=`dirname $$$file` ; \
$(INSTALL_DIR) $(1)/$$$dir ; \
$(CP) $(call qstrip,$(CONFIG_LIBGFORTTRAN_ROOT_DIR))/$$$file $(1)/$$$dir/ ; \
done
endif

define Package/libssp/install
for file in $(call qstrip,$(CONFIG_LIBSSP_FILE_SPEC)); do \
dir=`dirname $$$file` ; \
$(INSTALL_DIR) $(1)/$$$dir ; \
$(CP) $(call qstrip,$(CONFIG_LIBSSP_ROOT_DIR))/$$$file $(1)/$$$dir/ ; \
done ; \
exit 0
endif

define Package/libstdcpp/install
for file in $(call qstrip,$(CONFIG_LIBSTDCPP_FILE_SPEC)); do \
dir=`dirname $$$file` ; \
$(INSTALL_DIR) $(1)/$$$dir ; \
$(CP) $(call qstrip,$(CONFIG_LIBSTDCPP_ROOT_DIR))/$$$file $(1)/$$$dir/ ; \
done ; \
exit 0
endif

define Package/libc/install
for file in $(call qstrip,$(CONFIG_LIBC_FILE_SPEC)); do \
dir=`dirname $$$file` ; \
$(INSTALL_DIR) $(1)/$$$dir ; \
$(CP) $(call qstrip,$(CONFIG_LIBC_ROOT_DIR))/$$$file $(1)/$$$dir/ ; \

```

```
done ; \  
exit 0  
endif
```

```
define Package/libpthread/install  
for file in $(call qstrip,$(CONFIG_LIBPTHREAD_FILE_SPEC)); do \  
  dir=`dirname $$$$file` ; \  
  $(INSTALL_DIR) $(1)/$$$$dir ; \  
  $(CP) $(call qstrip,$(CONFIG_LIBPTHREAD_ROOT_DIR))/$$$$file $(1)/$$$$dir/ ; \  
done ; \  
exit 0  
endif
```

```
define Package/librt/install  
for file in $(call qstrip,$(CONFIG_LIBRT_FILE_SPEC)); do \  
  dir=`dirname $$$$file` ; \  
  $(INSTALL_DIR) $(1)/$$$$dir ; \  
  $(CP) $(call qstrip,$(CONFIG_LIBRT_ROOT_DIR))/$$$$file $(1)/$$$$dir/ ; \  
done ; \  
exit 0  
endif
```

```
define Package/libatomic/install  
for file in $(call qstrip,$(CONFIG_LIBATOMIC_FILE_SPEC)); do \  
  dir=`dirname $$$$file` ; \  
  $(INSTALL_DIR) $(1)/$$$$dir ; \  
  $(CP) $(call qstrip,$(CONFIG_LIBATOMIC_ROOT_DIR))/$$$$file $(1)/$$$$dir/ ; \  
done ; \  
exit 0  
endif
```

```
define Package/ldd/install  
for file in $(call qstrip,$(CONFIG_LDD_FILE_SPEC)); do \  
  dir=`dirname $$$$file` ; \  
  $(INSTALL_DIR) $(1)/$$$$dir ; \  
  $(CP) $(call qstrip,$(CONFIG_LDD_ROOT_DIR))/$$$$file $(1)/$$$$dir/ ; \  
done ; \  
exit 0  
endif
```

```
define Package/ldconfig/install  
for file in $(call qstrip,$(CONFIG_LDCONFIG_FILE_SPEC)); do \  
  dir=`dirname $$$$file` ; \  
  $(INSTALL_DIR) $(1)/$$$$dir ; \  
  $(CP) $(call qstrip,$(CONFIG_LDCONFIG_ROOT_DIR))/$$$$file $(1)/$$$$dir/ ; \  
done ; \  
exit 0  
endif
```

endif

```
$(eval $(call BuildPackage,libc))
$(eval $(call BuildPackage,libgcc))
$(eval $(call BuildPackage,libatomic))
$(eval $(call BuildPackage,libssp))
$(eval $(call BuildPackage,libstdcpp))
$(eval $(call BuildPackage,libpthread))
$(eval $(call BuildPackage,libthread-db))
$(eval $(call BuildPackage,librt))
$(eval $(call BuildPackage,libgfortran))
$(eval $(call BuildPackage,ldd))
$(eval $(call BuildPackage,ldconfig))
```

1.53 dmalloc 5.5.2

1.53.1 Available under license :

```
#!/usr/bin/perl5 -w
#
# dmalloc_summarize -- summarizes dmalloc log files
#
# Copyright 1997 by USC/ISI All rights reserved.
#
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#
# $Id: dmalloc_summarize.pl,v 1.1 1997/07/07 08:13:52 gray Exp $
#
/*
* Functions for testing of string routines arguments.
*
* Copyright 2000 by Gray Watson
*
* This file is part of the dmalloc package.
*

```

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*
* The author may be contacted via <http://dmalloc.com/>
*
* \$Id: arg_check.c,v 1.40 2007/03/25 03:06:35 gray Exp \$
*/

1.54 python-enum 1.1.6

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1.55 uci 2015-08-27.1

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```
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 */
```

1.56 makedumpfile 1.6.0

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```

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1.57 perl 5.26.2

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ABOUT PERL

=====

Perl is a general-purpose programming language originally developed for text manipulation and now used for a wide range of tasks including system administration, web development, network programming, GUI development, and more.

The language is intended to be practical (easy to use, efficient, complete) rather than beautiful (tiny, elegant, minimal). Its major features are that it's easy to use, supports both procedural and object-oriented (OO) programming, has powerful built-in support for text processing, and has one of the world's most impressive collections of third-party modules.

For an introduction to the language's features, see `pod/perlintro.pod`.

For a discussion of the important changes in this release, see

pod/perldelta.pod.

There are also many Perl books available, covering a wide variety of topics, from various publishers. See pod/perlbook.pod for more information.

INSTALLATION

=====

If you're using a relatively modern operating system and want to install this version of Perl locally, run the following commands:

```
./Configure -des -Dprefix=$HOME/localperl  
make test  
make install
```

This will configure and compile perl for your platform, run the regression tests, and install perl in a subdirectory "localperl" of your home directory.

If you run into any trouble whatsoever or you need to install a customized version of Perl, you should read the detailed instructions in the "INSTALL" file that came with this distribution. Additionally, there are a number of "README" files with hints and tips about building and using Perl on a wide variety of platforms, some more common than others.

Once you have Perl installed, a wealth of documentation is available to you through the 'perldoc' tool. To get started, run this command:

```
perldoc perl
```

IF YOU RUN INTO TROUBLE

=====

Perl is a large and complex system that's used for everything from knitting to rocket science. If you run into trouble, it's quite likely that someone else has already solved the problem you're facing. Once you've exhausted the documentation, please report bugs to us using the 'perlbug' tool. For more information about perlbug, either type 'perldoc perlbug' or just 'perlbug' on a line by itself.

While it was current when we made it available, Perl is constantly evolving and there may be a more recent version that fixes bugs you've run into or adds new features that you might find useful.

You can always find the latest version of perl on a CPAN (Comprehensive Perl Archive Network) site near you at <http://www.cpan.org/src/>

If you want to submit a simple patch to the perl source, see the "SUPER QUICK PATCH GUIDE" in pod/perlhack.pod.

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

```
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it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 1, or (at your option)  
any later version.
```

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```

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along with this program; if not, write to the Free Software  
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA
```

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

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```
Gnomovision version 69, Copyright (C) 19xx name of author
```

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

The hypothetical commands `show w' and `show c' should show the
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commands you use may be called something other than `show w' and `show
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program.

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.

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

That's all there is to it!

1.58 efence 2.2.3

1.58.1 Available under license :

This package was debianized by Siggy Brentrup bsb@debian.org on
Wed, 5 Feb 1997 15:53:23 +0100. It is currently maintained by Matthew
Vernon <matthew@debian.org>.

According to the author Bruce Perens <bruce@pixar.com> we can consider it
a genuine Debian package.

But you can download an alternate copy of the source from:

<http://metalab.unc.edu/pub/Linux/devel/lang/c/ElectricFence-2.0.5.tar.gz>

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```

```
<signature of Ty Coon>, 1 April 1989
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```

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1.59 dnsmasq 2.78

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```
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```

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(at your option) any later version.
```

```
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```
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```

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```
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This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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<HTML>

<HEAD>

<TITLE> Dnsmasq - network services for small networks.</TITLE>

<link rel="icon" href="http://www.thekelleys.org.uk/dnsmasq/images/favicon.ico">

</HEAD>

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<td align="middle" valign="middle"><h1>Dnsmasq</h1></td>

<td align="right" valign="middle"></td></tr>

</table>

Dnsmasq provides network infrastructure for small networks: DNS, DHCP, router advertisement and network boot.

It is designed to be

lightweight and have a small footprint, suitable for resource constrained routers and firewalls. It has also been widely used

for tethering on smartphones and portable hotspots, and to support virtual networking in virtualisation frameworks.

Supported platforms include Linux (with glibc and uclibc), Android, *BSD, and Mac OS X. Dnsmasq is included in most

Linux distributions and the ports systems of FreeBSD, OpenBSD and NetBSD. Dnsmasq provides full IPv6 support.

<P>

The DNS subsystem provides a local DNS server for the network, with forwarding of all query types to upstream recursive DNS servers and

caching of common record types (A, AAAA, CNAME and PTR, also DNSKEY and DS when DNSSEC is enabled).

<DIR>

Local DNS names can be defined by reading /etc/hosts, by importing names from the DHCP subsystem, or by configuration of a wide range of useful record types.

Upstream servers can be configured in a variety of convenient ways, including dynamic configuration as these change on moving upstream network.

Authoritative DNS mode allows local DNS names may be exported to zone in the global DNS. Dnsmasq acts as authoritative server for this zone, and also provides zone transfer to secondaries for the zone, if required.

DNSSEC validation may be performed on DNS replies from upstream nameservers, providing security against spoofing and cache poisoning.

Specified sub-domains can be directed to their own upstream DNS servers, making VPN configuration easy.

Internationalised domain names are supported.

</DIR>

<P>

The DHCP subsystem supports DHCPv4, DHCPv6, BOOTP and PXE.

<DIR>

 Both static and dynamic DHCP leases are supported, along with stateless mode in DHCPv6.

 The PXE system is a full PXE server, supporting netboot menus and multiple architecture support. It includes proxy-mode, where the PXE system co-operates with another DHCP server.

 There is a built in read-only TFTP server to support netboot.

 Machines which are configured by DHCP have their names automatically included in the DNS and the names can specified by each machine or centrally by associating a name with a MAC address or UID in the dnsmasq configuration file.

</DIR>

<P>

The Router Advertisement subsystem provides basic autoconfiguration for IPv6 hosts. It can be used stand-alone or in conjunction with DHCPv6.

<DIR>

 The M and O bits are configurable, to control hosts' use of DHCPv6.

 Router advertisements can include the RDNSS option.

 There is a mode which uses name information from DHCPv4 configuration to provide DNS entries for autoconfigured IPv6 addresses which would otherwise be anonymous.

</DIR>

<P>

For extra compactness, unused features may be omitted at compile time.

<H2>Get code.</H2>

Download dnsmasq here.

The tarball includes this documentation, source, and manpage.

There is also a CHANGELOG and a FAQ.

Dnsmasq has a git repository which contains the complete release history of version 2 and development history from 2.60. You can

browse

the repo, or get a copy using git protocol with the command

```
<PRE><TT>git clone git://thekelleys.org.uk/dnsmasq.git </TT></PRE>
```

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<H2>Contact.</H2>

There is a dnsmasq mailing list at <A

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Dnsmasq is mainly written and maintained by Simon Kelley. For most of its life, dnsmasq has been a spare-time project.

These days I'm working on it as my main activity.

I don't have an employer or anyone who pays me regularly to work on dnsmasq. If you'd like to make a contribution towards my expenses, please use the donation button below.

```
<form action="https://www.paypal.com/cgi-bin/webscr" method="post" target="_top">
<input type="hidden" name="cmd" value="_s-xclick">
<input type="hidden" name="hosted_button_id" value="V3X9GVW5GX6DA">
<input type="image" src="https://www.paypalobjects.com/en_US/GB/i/btn/btn_donateCC_LG.gif" border="0"
name="submit" alt="PayPal The safer, easier way to pay online.">

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</BODY>

1.60 libvirt 1.2.15

1.60.1 Available under license :

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Version 2.1, February 1999

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1.62 lua-cjson 2.1.0

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

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d) 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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1.65 rsync 3.1.0 2ubuntu0.1

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1.66 fstools 2016-01-10

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1.69 elfutils 0.172

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.. _history-and-license:

History and License

History of the software

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

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

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

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2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	no
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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

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

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

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Sockets

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and
`:func:`getnameinfo``, which are coded in separate source files from the WIDE
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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

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The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

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

Asynchronous socket services

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Modified by Jack Jansen, CWI, July 1995:

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

XML Remote Procedure Calls

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strtod and dtoa

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

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

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1.71 boost 1.60

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<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
  <title>Copyright Test</title>
  <articleinfo>
    <copyright>
      <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and

Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (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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1.72 pcre 8.38

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1.74 pciutils 3.4.0

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1.76 mtd-utils 1.5.1

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Julian Seward, Cambridge, UK.

jseward@acm.org

bzip2/libbzip2 version 1.0.2 of 30 December 2001

/*

minibz2

libbz2.dll test program.

by Yoshioka Tsuneo (tsuneo@rr.iij4u.or.jp)

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usage: minibz2 [-d] [-{1,2,...9}] [[srcfilename] destfilename]

*/

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1.78 wireless-tools 29

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1.80 openssh 7.8p1

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```
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 */

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

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

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

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
```



```
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif
```

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

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

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```

[Tatu continues]

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- * @version 3.0 (December 2000)

- *

- * Optimised ANSI C code for the Rijndael cipher (now AES)

- *

- * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

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

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 */

#ifdef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifdef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif
/*
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 */

```



```

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

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

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

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

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

```

1.81 ubus 2015-05-25

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1.82 libpcap 1.9.1

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1.84 libcap-ng 0.7.3

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Version 2.1, February 1999

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1.85 ncurses 6.1

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1.86 argp-standalone 1.3

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1.87 grpcio 1.0.4

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1.88 stress 1.0.4

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1.89 zlib 1.2.8

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

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1.90 ubi-utils 1.5.1

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1.92 mbed-tls 2.3.0

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1.93 psutil 2.2.1

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1.94 libtool 2.4

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

Wink Saville <wink@google.com>
* Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>
* Small patch improving performance of in Python serialization.

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

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- * Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

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- * HPUX support.

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- * Detect whether zlib is new enough in configure script.
- * Fixes for Solaris 10 32/64-bit confusion.

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- * Optimize Java serialization code when writing a small message to a stream.
- * Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- * Clean up some Java warnings.
- * Fix bug with permanent callbacks that delete themselves when run.

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- * Added CodedInputStream.getTotalBytesRead().

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- * Fixed m4/acx_pthread.m4 problem for some Linux distributions.

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- * Fixed detection of sched_yield on Solaris.
- * Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>

- * Fixed minor IBM xLC compiler build issues
- * Added atomicops for AIX (POWER)

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